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OFFICIAL
CATALOGUE
OF THE
GREAT EXHIBITION
OF THE WORKS OF
INDUSTRY OF ALL NATIONS,
1851.

THE EARTH IS THE LORD'S, AND ALL THAT THEREIN IS :
THE COMPASS OF THE WORLD AND THEY THAT DWELL THEREIN.

LONDON:
SPICER BROTHERS, WHOLESALE STATIONERS; W. CLOWES & SONS, PRINTERS;
Contractors to the Royal Commission,
29 NEW BRIDGE STREET, BLACKFRIARS, AND AT THE EXHIBITION BUILDING, HYDE PARK.

RE NOSTRA, ISTA QUÆ INVENIMUS, DICERE—
IBITA SUNT NOME OMNIUM ARTIUM SEMINA,
MAGISTERQUE EX OCCULTO DEUS, PRODUKIT INGENIA.

SAY NOT THE DISCOVERIES WE MAKE ARE OUR OWN—
THE GERMS OF EVERY ART ARE IMPLANTED WITHIN US,
AND GOD OUR INSTRUCTOR, OUT OF THAT WHICH IS CONCEALED,
DEVELOPS THE FACULTIES OF INVENTION.

HUMANI GENERIS PROGRESSUS,
EXCOMMUNI OMNIUM LABORE ORTUS,
UNIUSCUIUSQUE INDUSTRIÆ DEBET ESSE FINIS:
HOC ADJUVANDO,
DEI OPT: MAX: VOLUNTATEM SEQUIMUR.

THE PROGRESS OF THE HUMAN RACE,
RESULTING FROM THE COMMON LABOUR OF ALL MEN,
OUGHT TO BE THE FINAL OBJECT OF THE EXERCISE OF EACH INDIVIDUAL
IN PROMOTING THIS END,
WE ARE CARRYING OUT THE WILL OF THE GREAT AND BLESSED GOD.

INTRODUCTION.

THE gathering of the materials of which the Catalogues of the Exhibition are composed, and their preparation for publication in a collected form, require a short notice. By a decision of the Executive Committee, each exhibitor was called upon to furnish a written account of the articles proposed to be exhibited, and to forward this description for the purposes of forming the Catalogue of the Exhibition. In order to facilitate this operation, certain general rules were printed, together with suggestions intended to furnish exhibitors with headings under which additional information might be given. In addition, four distinct kinds of printed forms were supplied to exhibitors, intended to serve for their manuscript descriptions in each of the four sections of the Exhibition—Raw Materials and Produce, Machinery, Manufactures, and Fine Arts. These forms were required to be sent in prior to the receipt of goods at the Building, and on their arrival an acknowledgment forwarded served as a warrant for the admission of the articles described into the Exhibition.

The material of the Catalogues was thus obtained, but the form in which it appeared was such as to require very considerable modification before it could be issued from the press. The necessity for reducing the size of the Catalogues to one of convenience for use in the Building demanded that the material of which they were to be composed should be considerably condensed. The danger of inaccuracy also in the scientific descriptions, and in their literary construction, required attention. A slight preliminary correction was applied to the forms, which were then set up in type.

The desirableness of obtaining a symmetry of proportion in the works, and as far as possible a harmony of style and consistency of expression, in addition to the great importance of attempting to communicate to them a character of scientific accuracy, demanded the adoption of general principles of correction and reconstruction. But the varied nature of the contents of the Exhibition, and of the descriptions supplied, rendered this a duty difficult to be undertaken by any single individual. A number of scientific gentlemen accordingly united to undertake the correction of proofs belonging to certain departments, principally in regard to the scientific inaccuracies they might contain, their labours being followed by a final, general, scientific and literary revision. The descriptions of exhibitors were therefore submitted to this process, and subsequently prepared for press after receiving the official sanction for their publication. In the Descriptive and Illustrated Catalogue a number of elucidatory notes were supplied, which are intended to convey a variety of interesting and valuable information upon articles exhibited.

In this manner the large Catalogue was prepared. The present volume is a very condensed abstract of that work. It consists of essentially the same materials as the former Catalogue, having been prepared by Mr. G. W. Yapp from the corrected and annotated slips, and it has therefore the advantage of the care bestowed upon the former work. Three or four lines, on the average, being, for economy of space, the necessary limit of the descriptions in this Catalogue, its contents are confined, in the case of each exhibitor, merely to a brief indication of the name, residence, nature of the article, and position in the Building. The fuller details, accompanied with the illustrations, are to be found in the large Catalogue.

The extreme pressure of time under which the preparation of this Catalogue has proceeded, occasioned in a great measure by the delay of the return of forms, precludes the possibility of its complete accuracy. It is therefore requested that exhibitors will point out any errors presenting themselves, and without delay communicate the information, with the Class, Number, and the page in which they occur, to the Catalogue Office.

The mottos on the Title-pages of the large Catalogue, and of the present volume, were selected by His Royal Highness Prince Albert.

ROBERT ELLIS.

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A List of the Local Committees of the United Kingdom which returned Exhibitors, &c.—continued.

Places.	Approximate Number of Exhibitors.	Reported Amount from Local Committees.			Amount paid to Commission.	Places.	Approximate Number of Exhibitors.	Reported Amount from Local Committees.			Amount paid to Commission.				
		£.	s.	d.				£.	s.	d.		£.	s.	d.	
Wellington(Somerset)	2					Worcester . . .	20	206	15	0	186	0	0		
Wells	1	42	12	6	37	13	2	6	11	5	6	11	5		
Wentworth		5	0	0	5	0	0	38	0	6	25	0	0		
Wexford	12	3	17	6											
Whitby	17	49	4	0	40	0	0								
Whitehaven	6	120	1	6	100	0	0	Yarmouth, Great . .	10	30	7	0	30	7	0
Wigan	4	243	6	7	160	0	0	Yeovil	10	74	3	6	66	3	3
Winchester	2	90	0	0	90	0	0	York	15	100	0	0	100	0	0
Windsor	6	385	14	0	300	0	0	Zetland and Shetland							
Wirksworth	2	15	0	0	15	0	0	Total	6,146	78,679	17	1	64,541	16	3
Wisbeach	10	62	13	6	62	13	6	—							
Witham	3							SundrySubscriptions not included else- where	357	18	2	357	18	2
Wolverhampton	25	270	17	0	260	0	0								
Wolverton	1	6	0	0	6	0	0								
Woodstock															
Wootton Bassett															
Wotton-under-edge	2	28	12	6	26	10	0								

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OUTLINE OF CONTENTS OF THE BUILDING.

The Building lies East and West, and is intersected by the Transept running North and South.

The Transept being taken as a point of departure, the building is divisible into two portions.

1. The western half is appropriated to the productions of the United Kingdom, India, and the Colonies.
2. The eastern half to Foreign Countries.

CONTENTS OF TRANSEPT.

Ornamental iron gates, various objects of sculpture, large glass fountain, other fountains, and ornamental gates. The refreshment court is at the north extremity. The offices of the Royal Commissioners and the Executive are at the southern entrance.

WESTERN HALF.—Ground Floor.

Proceeding towards the west along the nave, or central avenue, are placed a statue of the Duke of Rutland, the Spitafields trophy, the horse and dragon, Canadian timber, marble dog, specimens of stone carving, console table and glass, specimens of crystallization, cross in Caen stone, &c., altar screen, Eldon and Stowell group, Honduras timber, church clock, Elizabethan fountains, models, patent light-house, filtering apparatus, sculpture, Coalbrook Dale glass-house, equatorial telescope, Liverpool model, fountain, and lighthouse.

SOUTHERN HALF.

The Avenues, M, N, O, and part of P, proceeding from the west, contain successively printed fabrics of Manchester, London, and Glasgow; flax manufactures of Ireland; woollen and mixed fabrics, the productions of Sheffield; furniture; the hardwares of Birmingham; the Medieval court; Australian, Canadian, and East Indian productions.

The Avenues Q and R, from west to east, contain in succession, agricultural implements, court for sculpture, part of South Australia, Canada, and the East India.

Avenue S is principally occupied by Class 1.

NORTHERN HALF.

The Avenue I, and part of the Central Avenue, proceeding east to west, contain cotton, leather, furs, part of mineral manufactures, furniture, paper, fine arts, Malta, Ceylon, and part of the East Indian articles.

The Avenues G and H contain carriages, mineral manufactures, marine and other engines, Guernsey and Jersey, Fine arts, Maltese and East Indian contributions.

Avenue F is appropriated to locomotive engines and railway mechanism.

Avenues C, D and E contain, in a separate enclosure, cotton and other machinery in motion; beyond this the Western Refreshment Court, machines in motion, lathes and tools, mills, steam-engines, and a part of the East Indian articles.

Avenues A, B, contain cotton machines, woollen machines, flax machinery, silk and lace machinery, paper and printing machines in motion, models and naval architecture.

GALLERIES.

The Galleries are named, respectively, South, Central South, Central North, and North.

The portions of the West (South) Galleries, near the Transept, South Entrance, are occupied by shawls.

South Gallery, P.—Proceeding from east to west, contains silks, chemical substances, substances used as food, vegetable and animal substances, naval architecture, guns, &c.

The interval between the west termination of the South Gallery, and that of the Central South, is occupied by naval, and other models.

Central South Gallery, M.—Proceeding from west to east, contains philosophical instruments, precious metals, tapestry, and silks. The interval between the western termination of the Central South Gallery and that of the Central North is occupied by philosophical and other contrivances, models, &c., and the great organ, which is in the centre.

Central North Gallery, L.—From west to east contains philosophical, surgical, and musical instruments, glass, and pottery.

The interval near the Transept, between these Galleries, is occupied by pottery.

North Gallery, F.—From east to west, contains pottery, animal and vegetable manufactures, cutlery, surgical instruments, and models in civil engineering.

The portions of the West (North) Galleries, near the Transept, North Entrance, are occupied by pottery.

Immediately over the South Entrance, in the Gallery, is the apparatus connected with the large electric clock.

EASTERN HALF.—Ground Floor.

The Nave, or Central Avenue, contains the Great Diamond, Sculpture, Wine-jars from Spain, Artillery, Sculptures, Statue of Michael and Satan, Parisian Organ, Colossal Statue of Godfrey de Bouillon, Stained Glass Window, Amazon, Colossal Lion, Church Bell, Group of Horses, block of Zinc Ore.

The southern half of the ground-floor space is occupied, proceeding from west to east, by the following countries:—China, Tunis, Brazil, Switzerland, France, Belgium, Austria Russia (part of) Zollverein, United States, France (part of).

The northern half by Persia, Arabia, Greece, Egypt, Turkey, Spain, Portugal, Italy, France, Belgium, Holland, Austria, Zollverein, North Germany, Russia, United States, Belgium (part of), Zollverein (part of).

The north-east corner, including parts of Avenues C, D, E, are occupied by the Eastern Refreshment and open courts.

GALLERIES.

The Galleries near south entrance of transept in the Eastern Division are occupied by articles of Clothing, Hosiery, &c.

South Gallery, P, is occupied partly by France and other States.

Central South Gallery, M, is occupied by Switzerland, France, Austria, and the United States.

Central North Gallery, L, contains the United States and other countries.

North Gallery, F. Specimens of Stained Glass, &c.

The Galleries near the north entrance of the Transept are occupied by the Liverpool and Hull collections of articles and miscellaneous objects.

OFFICIAL CATALOGUE OF THE GREAT EXHIBITION, 1851.

ARTICLES EXHIBITED BY HER MAJESTY THE QUEEN, H.R.H. THE PRINCE ALBERT, AND H.R.H. THE PRINCE OF WALES, IN THE FOUR SECTIONS OF THE BUILDING.

HER MAJESTY THE QUEEN.

Jewel case in the cinque cento style, designed by L. Gruner, Esq., and executed at the manufactory of Mr. Henry Elkington, at Birmingham. The material is bronze, gilt and silvered by electro-type process; upon this case are portraits on china of Her Majesty, H.R.H. Prince Albert, and H.R.H. the Prince of Wales, copied from miniatures by R. Thorburn, Esq., A.R.A. The small medallions, representing profiles of their R.H.'s the Princes and Princesses, were modelled from life by Leonard Wyon, Esq.

Table of gold and silver electro-plate, manufactured by Messrs. Elkington. The top of the table is an electro-type reproduction of a plate of fine workmanship, obtained and copied for Mr. H. Elkington under the direction of the Chevalier de Schlick. The eight subjects in bas-relief represent Minerva, Astrologia, Geometrica, Arithmetica, Musica, Rhetorica. The centre figure represents Temperance surrounded by the four elements. At the bottom of this plate is an inscription pointing to the artist. The table is designed by George Stanton, a young artist in the employ of Mr. H. Elkington, and a student in the Birmingham School of Design.

Portrait of Her Majesty on Sevres china, size of life, half length, by A. Ducloux, after a portrait by F. Winterhalter. Painted in 1846.

Portrait of H.R.H. Prince Albert, on Sevres china, size of life, half length, painted by A. Bezanget, after a portrait by F. Winterhalter. These portraits are exhibited jointly by Her Majesty and H.R.H. Prince Albert.

A cradle, carved in Turkey boxwood by W. G. Rogers, and designed by his son, symbolising the union of the Royal House of England with that of Saxe Coburg and Gotha. One end exhibits in the centre the armorial bearings of Her Majesty the Queen, surrounded by masses of foliage, natural flowers and birds; on the rocker, beneath, is seen the head of "Nox," represented as a beautiful sleeping female, crowned with a garland of poppies, supported upon bats' wings, and surrounded by the seven planets.

The other end, or the back of the head of the cradle, is devoted to the arms of H.R.H. Prince Albert; the shield occupies the centre, and round it, among the arabesque

foliage, the six crests of the Prince are scattered, with the motto "True und fest." Below, on the rocker, is discovered a head of "Somnus" with closed eyes, and over the chin a wimple, which, on each side, terminates in poppies.

In the interior of the head of the cradle, guardian angels are introduced; and above, the royal crown is found embedded in foliage. The frieze, forming the most important part of the sides of the body of the cradle, are composed of roses, poppies, conventional foliage, butterflies, and birds, while beneath them rise a variety of pinks, studied from nature. The edges and the insides of the rockers are enriched with the insignia of royalty and emblems of repose.

Two cut-glass candelabra, manufactured by Messrs. Osler of Birmingham.

Axminster carpet, designed by L. Gruner, Esq., and manufactured by Messrs. Blackmore Brothers, at Wilton, for Messrs. Watson, Bell, & Co.

Axminster carpet, designed by L. Gruner, Esq., and manufactured at Glasgow, for Mr. Dowbiggen.

A Berlin-wool carpet executed by one hundred and fifty ladies of Great Britain. The dimensions of this carpet are thirty feet in the length, and twenty in breadth. The carpet has been produced in the following manner:—The pattern, originally designed and painted by the artist, has been subdivided into detached squares, which have been worked by different ladies, and on their completion the squares have been reunited, so as to complete the design. In the pattern, which consists partly of geometrical, and partly of floral forms, heraldic emblems are also introduced. The initials of the executants are ornamentally arranged, so as to form the external border. The whole design is connected by wreaths or bands of leaves and foliage, the centre group representing the store from whence they have been distributed.

The carpet has been produced under the management of a Committee. The design by Mr. J. W. Papworth; the patterns were painted and the work executed under the superintendence of Mr. W. B. Simpson.

HIS ROYAL HIGHNESS PRINCE ALBERT.

Three samples of grain grown on the royal farms at Windsor, consisting of wheat, oats, and beans, one bushel of each.

Two slabs for tables, designed by L. Gruner, Esq., in the cinque cento style, executed by Mr. Thomas Woodruff at Bakewell, in Derbyshire stones, in imitation of the Florentine mosaic.

A block of Parret coal from West Wemyss colliery, Kirkcaldy, Fifeshire, partly polished.

Garden seat, designed by L. Gruner, Esq., and executed

in Fifeshire by Thomas Williams Wann, of parret or cannel coal, from the estate of Rear Admiral Wemyss.

Candelabrum in the cinque cento style, designed by L. Gruner, Esq., modelled by Ant. Trentanove, and executed in scagliola in imitation of giallo antico, by L. Romoli.

Group in marble, "Theseus and Amasons," executed at Rome by — Engel, Esq., from Hungary, pupil of the Royal Academy.

HIS ROYAL HIGHNESS PRINCE ALBERT, ON BEHALF OF HIS ROYAL HIGHNESS THE PRINCE OF WALES.

Shield presented by His Majesty the King of Prussia to His Royal Highness the Prince of Wales, in commemoration of the baptism of the infant Prince, for whom His Majesty acted as sponsor.

The pictorial embellishments of the shield, the general plan for which was given by the king himself, were designed by Doctor Peter Von Cornelius, and the architectural ornaments by Counsellor Stüler. The execution of the remaining portions—goldsmiths' work, enamel, &c., was performed by M. G. Hosauer; the modelling by M. A. Fischer; the chasing by M. A. Mertens; and the lapidary work by M. Calandrelli.

In the centre of the shield is a head of our Saviour. The middle compartment, surrounded by a double line of ornamental work, is divided by a cross into four smaller compartments, which contain emblematic representations of the two Sacraments, Baptism, and the Lord's Supper, with their Old Testament types—the opening of the fountain in the rock by Moses, and the fall of manna. At the extremities of the arms of the cross are represented the Evangelists, noting down what they have seen and heard in the Gospels, which are to communicate to all futurity the plan of man's salvation, and prove inexhaustible sources of divine revelation and doctrine.

On the extreme points of the arabesques that rise above the Evangelists, are represented the Christian virtues of Faith, Hope, and Charity, and of Christian Righteousness. Around the entire centre stand in a circle the twelve

Apostles. Peter is seen under Faith represented in the arabesque; on the right and left of him are Philip and Andrew; under Hope is James; on either side are Bartholomew and Simon; John is placed beneath the figure of Charity; on either side are James the younger and Thomas; under Righteousness is Paul; on the right and left are Matthew and Judas Thaddeus, going forth into the world to teach and to baptize, and to propagate the kingdom of the Redeemer.

The relieve which runs round the edge of the shield, represents the betrayal, the redeeming atonement of Christ, and his resurrection. Another portion represents our Lord's triumphant entry into Jerusalem; a third portion the descent of the Holy Ghost, the preaching of the Gospel, and the formation of the Church. The fourth and principal compartment contains an allegorical representation of the birth of the Prince of Wales and of the visit of the king of Prussia, accompanied by Baron Humboldt, General von Natzmer, and the Count von Stolberg, and welcomed by His Royal Highness Prince Albert and the Duke of Wellington: a knight of St. George being represented on the beach standing upon a dragon.

The shield has been denominated the Buckler of Faith. The inscription on the shield runs thus:

"FRIDERICUS GUILIELMUS REX BORUSSORUM,
ALBERTO EDUARDO, PRINCIPI WALLIE,
IN MEMORIAM DIEI BAPT. XV. JAN. A. MDCCCLII."

COUNT ERNEST COBURG—GOTHA.

Fruit stones of various sizes, carved with a penknife.

LIST OF COMMITTEE, SUBSCRIBERS, AND EXECUTANTS OF THE CARPET EXHIBITED BY HER MAJESTY.

• THE COMMITTEE.

A. Ashpitel, Esq., F.R.I.B.A.,
F.S.A., Treasurer.
Thomas Creswick, Esq., R.A.
Francis Fuller, Esq.
George Hamer, Esq.
William Lobb, Esq., M.D.
Rev. Charles Marshall, City of
London Ladies' Committee.

J.W. Papworth, Esq., F.R.I.B.A.
Wyatt Papworth, Esq., Hon. Sec.
Richard Hodgkiss, Esq., R.A.
William B Simpson, Esq.
W. D. Starling, Esq., Hon. Sec.
City of London Ladies' Com-
mittee.
David Henry Stone, Esq.

Miss S. Littleboy, Berkhamstead
Miss Melhado, Sussex-square,
Hyde-park.
Miss Winstanley, Balham.
Mrs. B. Nicoll, Westbourne-pl.,
Harrow-road.
Mrs. Chatfield, Sloane-street.
Miss Evans Clapham-ris.
Mrs. W. White, Up. Bedford-pl.,
Regent's-park.
Miss Bovington, Stockwell Lodge.
Mrs. Le Mercier, Hammersmith.
Miss Foster, Thorpe, Norwich.
Miss C. F. Foster, Ditto.
Miss Sharp, Clapham.
Mrs. C. Sewell, Wallbrook.
Miss Waltham, Tunbridge Wells.
Miss Farncomb, Leeds
Miss Atkinson, Mortimer-street,
Cavendish-square.
Miss Polwell, Deal.
Miss Trickett, Stamford-street.
Miss C. Trickett, Ditto.
Mrs. C. Hutton, East Dulwich.
Miss Webb, Clapham Common.
Miss Potter, Henrietta-street,
Brunswick-square.
Mrs. Leaf, Park-hill, Streatham.
Mrs. W. Humphery, Somers-pl.,
Hyde Park.
Miss E. Stone, Rectory, Spital-
fields (3 Squares).
Mrs. Lamb, Andover.
Mrs. Todd, Ditto.
Miss Gale, Grately, Andover.
Miss Fordham, Broxbourne.
Mrs. F. Whittaker, Tunbridge.
Mrs. H. Whittaker, Ditto.
Miss Orford, Ipswich.
Miss S. Puckle, Cumberwell-grove
Mrs. T. W. Biagg, St. Albans.
Miss Ratliff, Allesley, Coventry.
Miss Desborough, Grove-hill,
Camberwell.
Mrs. W. Fifield, Romsey, Hamp-
shire.
Miss Philby, Loughton, Essex.
Mrs. Thorne, South Lambeth.
Miss Hargrave, Lewisham.
Mrs. Buzzard, Poland-street.
Mrs. Coxell, Great Malvern.
Miss Cambridge, Blandford.
Mrs. Reddish, Bedford.
Mrs. Johnson, Baywater.

Mrs. Baxter, Edgbaston.
Miss Greig, Hamilton-terrace.
Miss Davis, Camden Town.
Miss Stodart, Mornington-cresc.
Mrs. Spyer, Weybridge (3 Sq.)
Miss Hill, Clerkenwell.
Miss Preston, Lancaster.
Mrs. Scott, Princes-street, Edin-
burgh.
Miss Chandler, Sherborne.
Miss Walker, Hendregadudd,
Caernarvon.
Miss Hancock, Stoke Newington.
Miss Drummond, Croydon.
Mrs. Goff, Hammersmith.
Miss Davidson, Perth.
Mrs. Webb, Babsgate-street
Within.
Miss Jackson, Lendenhall-street.
Miss Adesny, Sackville-street
Mrs. Simmons, Tynford (3 Sq.)
Miss Marshall, Mornington-cres.
Mrs. Greatrex, Eccleshall.
Miss Mans, Croydon.
Miss Henlow, St. Albans.
Miss Young, Bow.
Mrs. Wm. Cabitt, Bedford-hill.
Miss Lapworth, Old Bond-street.
Miss Mallandain, Old-street.
Miss Byas, Bow.
Mrs. Pain, Stratford.
Miss Tyrnball, Shoreditch.
Miss C. Tyrnball, Ditto.
Mrs. Hunt, Clevedon, Bristol.
Miss Hobson, Badleigh Salterton,
Devon.
Miss Scriven, Albany-street.
Miss Erdsforth, Holloway.
Miss Copeland, Putney.
Miss Bishop, Oxford-ter. Hyde-
park.
Mrs. Fitzwilliam, Putney.
Miss Norris, Eton.
Miss Bousfield, Clapham-park.
Mrs. Gawthern, Southwell.
Miss Roberts, Swanson.
Mrs. Le Grand, New Hampton.
Mrs. Herbert, Grantham.
Miss Phillips, Hull.
Miss Drummond, Eaton sq.
Miss Bevington, Jersey.
Miss Cope, Ardahan, Ireland.
Mrs. Rilly, Champion-park,
Denmark-hill.
Mrs. C. Parker, Farnham.

THE SUBSCRIBERS.

The Lady Mayoress (1850).
Mrs. Albers, Peckham Rye.
Mrs. W. Cabitt, Bedford-hill.
Mrs. Sharp, Clapham.
Mrs. Creswick, Baywater.
Miss Jane Wray, Seaton Carew.
Miss Drew, Balham-hill.

Mrs. J. Harbrow, Cockspur-st.
Mrs. Page, Peckham Rye.
Mrs. Schenk, Gloucester-square.
Mrs. Burton, Clapham-park.
Miss Harmsley, Margate.
Miss Robinson, Castle Blakeney,
Ireland.

THE EXECUTANTS.

Miss Carr, Enfield.
Miss Fleischer, Enfield.
Miss Lang, Bryanstone-place.
Miss Whitehead, Maldstone.
Miss Lobb, Tottenham.
Miss Butler, Clapham.
Miss Smith, Lewisham.
Miss Simpson, Great Ormond-st.
Miss M. Simpson, Ditto.
Miss E. Simpson, Ditto.
Miss Wilmot, Southampton.
Miss Benmont, Maldstone.
Miss Burnaby, Blakesley, North-
amptonshire.
Miss Fuller, Abingdon-street.
Miss E. Fuller, Ditto.
Miss G. Fuller, Ditto.
Miss J. Fuller, Ditto.
Miss Bernal, Lewisham.
Miss Papworth, Great Marlbo-
rough-street.
Miss J. Baker, Crooksea, Essex.
Miss Stone, Forest-hill.
Miss E. Stone, Herstonconour.
Mrs. D. H. Stone, Sydenham-pl.
Miss Allen, East Acton.
Miss E. Cabitt, Bedford-hill, Bal-
ham.
Miss Bous, Forest-hill.
Miss Witten, Sydenham-hill.

Mrs. Chas. Hill, Hyde-park-eg.
Mrs. Bunning, Guildford-street.
Miss Lawrence, Tivistock-square.
Miss Leonard, Limehouse.
Miss S. Leonard, Ditto.
Mrs. Lockyer, Southampton-st.,
Fitzroy-square.
Mrs. F. Garraway, St. John's
Wood.
Miss L. Garraway, Ditto.
Miss C. Garraway, Ditto.
Miss Browning, Enfield.
Miss Henry, Edmonton.
Miss Watson, Baywater.
Miss Chewright, Sussex-terrace,
Hyde-park.
Mrs. A. Moxley, Gt. Ormond-st.
Mrs. G. H. Drew, Parliament-st.
Miss Martineau, Canterbury.
Miss Seddon, Goldford.
Mrs. H. Gray, Newington-crescent
Mrs. Finnie, Westland.
Miss Humble, Balham-hill.
Mrs. Wire, St. Swithin's-lane.
Mrs. W. Brophy, Dublin.
Miss Hall, Finborough-square.
Mrs. H. J. Robinson, Berkham-
stead.
Mrs. R. Littleboy, Hemel Hemp-
stead.

UNITED KINGDOM.

ABBREVIATIONS USED IN THE WORK.

Inv. Inventor; **Des.** Designer; **Mod.** Modeller; **Sculp.** Sculptor, **Carver**, or **Engraver**; **Exec.** Executed by; **Prod.** Producer; **Manu.** Manufacturer; **Imp.** Importer; **Prop.** Proprietor; **Pat.** Patent; **Reg.** Registered; **Impr.** Improver; **Pro. Reg.** Provisionally Registered.

SECTION I.—RAW MATERIALS.

OBJECTS EXHIBITED OUTSIDE THE BUILDING.

5 CHERBOROUGH GRANITE COMPANY.—A Doric column in granite, the shaft in one piece.

6 CARRIGER, W. F. L. Kimblemoth, Arbroath, Scotland, **Manu.**—Flag-stones and free stones known as Arbroath pavement, from Leymill Quarries, Forfarshire, Border Quarries, Carnyllie and Lochee Quarries, from Balgavies Balmasbanner, and Gynnel Quarries, &c.

7 OLD DEKABOLS SLATE Co. (by J. Carter) Camelford, **Prop.**—Slate slab, as raised from the quarries at Dalabole. Slate cistern. Patent ridge slate. (W. Davey, Bath, pat.) Slab for flooring. Roofing slates, &c.

11 WELSH SLATE Co. 1 New Boswell Court—Slate from Festinog Merionethshire.

18 STRUTHERS, W. S. 7 Holywell St. Westminster, **Manu.**—Slate filter, the water being filtered in its ascent.

14 SHARP, S. Commercial Rd. Lambeth, **Agent** to **A. ADAM, Wick, Caithness-shire, Scotland.**—Rockhill paving-stone, from the original quarries.

17 TOWLES, E. Market Basin.—Blue lias, hydraulic cement, and polished stones, from Kirton Lindsey's Tunnel Stone Works.

19 FRANKLIN, P. L. Galway, Ireland, **Prop.**—Black marble, from Lough Corrib, near Galway.

20 SINGLAI, J. FOM, Thurso, Scotland, Manu.—A cistern or bath of Foras-Rockhill flag. Samples of the stone, showing the natural surface, the half rubbed, and the full rubbed surface, &c.

21 BROWN, ROSEY, & BOOTH, Sheffield, Prod. and Manu.—Flags and steps. Block: four tons.

23 HATWOOD, J. Ardsley, near Barnsley, **Prod.**—Grindstones from the Ardsley Oaks Quarry, Barnsley.

23 DOVE, D. Nithill, Hurlst, near Glasgow, **Prod.**—Free-stone block, from Nithill quarry. Grindstone from the same quarry, three feet in diameter by six inches thick.

24 BEDFORD, BOWEN, DRAKE, & Co. Oaks Quarry, near Barnsley, **Prod.**—Grindstones from the Oaks Quarry, near Barnsley, 8 feet in diameter and 14 inches thick, for grinding machinery, &c.

26 OAKLEY, E. Coed Talon, near Mold, Flintshire, Wales.—Steam-coal from Coed Talon and Leeswood collieries, near Mold, North Wales, one block weighing 16 tons.

27 ; and 309 BUCKINGHAM, J. 13 Judd Pl. East, New Rd. **Prod. and Imp.**—Anthracite coal, from Tenby, South Wales.

28A RAYNE, LUFTON, & Co. Liverpool, **Prod.**—Specimens of pure limestone, from Pentregwyddel quarries, near Abergels, Denbighshire, used as a lithographic stone, &c. Specimens of stone, from Graig-lywyd quarries (Penmaen-Mawr, Carnarvonshire).

28 B ROUND, D. G. Hange Colliery, Tipton, near Birmingham, **Prod.**—Specimens of iron ore. Specimens of South Staffordshire coal, 18 feet in circumference, and five tons in weight.

29 HAINES & SONS, Denbigh Hall, Tipton, Staffordshire, Prop.—Large specimen of the Staffordshire thick, or ten-yard coal; weight, 13 tons. Raised from a depth of 165 yards by the ordinary steam-engine, with no other apparatus than that generally in use.

30 PROTHERO & PRICE, Tillery, near Newport, South Wales, Pro.—Steam coal, the produce of a newly opened colliery, which may be brought up in masses of 50 tons weight.

33 VOKINS, C. Pimlico, **Des.**—Chess board and men, made from coal and gypsum.

34 JAMES & AUBREY, Swansea, Prod.—A large block of anthracite, or stone coal, from Cwmllynfell, in the Swansea valley.

35 INCE HALL COAL & CANNEL Co. Wigan.—Cannel, Arley, and Lamberton coal, with various vases, manufactured of cannel coal.

(OUTSIDE—SOUTH SIDE.)

2 BOARD.—Figures in Portland cement.

3 ORGAN.—Block of serpentine.

4 ROBINS & ASPDIN.—Cement.

5 RANSOME & PARSONS.—Artificial stone.

10 WHITE.—Portland cement.

12 SEALY.—Figure in Portland stone.

13 STRUTHERS.—Slate-filter.

15 BAYNE, LUFTON, & Co.—Paving-stones.

17 FURZE.—Mew artificial stone.

36 CAMERON'S COALBROOK STEAM COAL & SWANSEA & LOUGHOR RAILWAY Co. 2 Moorgate St.—Steam coal, from Loughor, South Wales.

37 BARROW, R. Staveley Works, near Chesterfield, Derbyshire.—Coal, from the mines at Staveley, county of Derby, raised from a shaft 459 feet deep. Pieces, cut with a saw, to exhibit the use of this coal as ballast, or for stowage in steam ships going long voyages.

CLASS I. *Mining and Mineral Products.*

- 38 JONES, SELVA, & Co. 55 Bankside, Southwark, Agents.—Anthracite coal, from Llanelly, South Wales.
 39 PROTHERO & PRICE, Tillery, Newport, Monmouthshire.—Coal; a piece of which weighs three tons.
 40 DAVIS, D. Hirwain, near Merthyr Tydvil, Wales, Prop.—The Bisanawwt steam coal, from Aberdare.
 42 FRICKWILLIAM, The Earl.—Pillar exhibiting a complete section of the Barnaley thick bed of coal, from the Elcicot colliery.
 43 CHEITWELL, ALLIEN, & Co. Abergavenny, Manu.—Iron, from Cwm Celyn and Blaina Iron works. Fossil tree from the coal measure.
 44; 392 THE BRYMBO Co. Wrexham, Wales, Prop.—Minerals and main coal, found at Brymbo, near Wrexham, or in the neighbourhood. (Outside 44, and in Class I. 392.)
 45 BAGHALL & GIBSON, West Bromwich, near Birmingham, Prod.—Column of South Staffordshire thick coal—showing the different working seams as they exist in vertical section.
 51 CHEESEWING GRANITE Co.—Agent in London, E. Turner, Belvidere Rd. Lambeth.—Granite column and pedestal, 30 feet high, from the Cheesewring granite quarries, near Liskeard, Cornwall.
 74 SPANDEH & NOBLE, Bagshot, Imp. and Prod.—*Cypripedium fasciatis*, or weeping cypress, 30 feet in height, from the green-tea country, Whweyehow (Hwweyehow), in the north of China. Specimens of the wood polished.

CLASS I. *Mining and Mineral Products.*

- 29 LIVERPOOL LOCAL COMMITTEE, Town Hall, Liverpool, Prop.—A collection of samples of foreign articles imported into Liverpool within the last five years. The collection is complete as to vegetable fibres, materia medica, groceries, and mineral products; incomplete as to perishable animal and vegetable products, and manufactured goods.
 49 BIRD & Co. 5 Martin's Lane, Cannon St. City, Prop.—Specimens of tin-plate, and of raw iron in process of manufacture. Anthracite piece of fractured raw pile for rail: patented by J. Bagnall & Sons, E. I. Railway.
 56 BAWLEY, P. Soho, near Birmingham, Inv.—Complete model and section of a Staffordshire coal-pit, with apparatus for preventing explosions in coal mines.
 76 WHITE & GRAFT, Dalmarnock Rd. Glasgow, Inv. and Manu.—Patent safety cage and detaching cage for mine-shafts to prevent accidents from the breaking or overwinding of ropes or chains.
 101 POWELL, T. Cardiff, Wales, Prop.—Duffryn steam coal.
 101 POWELL.—Fossil.
 102 WHYTE.—Fossil.
 103 LENTAGH.—Limestone inclosing granite
 104 MONTANA.—Emeralds.
 105 CASELLA, A. Edinburgh, Prop.—Two curling stones used in Scotland in the national game of curling, made of the rock of the Alisa Craig, in the Firth of Clyde, &c.
 106 CARTER, J. Delabole, near Camelford, Cornwall, Prop.—Two specimens of rock crystals, taken from the slate quarries at Delabole, near Camelford; used for jewellery.
 107 BRADALANE, Marquis of.—Specimens of copper, silver-lead, and lead ores; granite, porphyry, &c. from Perthshire and Argyllshire.
 108 LEXSON.—Models and crystals.
 109 MITCHELL, Rev. W. St. Bartholomew's Hospital, Dec. and Inv.—Models of all the primary and secondary forms of crystals, &c.
 110 —.—Fossil wood.

- 111 SLATER & WHEBET.—Jet ornament.
 112 DYER, W. Little Hampton, near Arundel, Inv.—Sussex coast agates, found on the sea-beach. Model of a mechanical contrivance for ventilation.
 113 BATTERSBY.—Agates.
 114 ELLIS.—Haitowgate-waters.
 115 TERNANT.—Minerals.
 116 NELM, J. Omagh, Co. Tyrone, Pro.—Case of pearls, found in the deepest parts of the river Strules, at the town of Omagh, Ireland.
 117 COWIE & RAE, Elton, Scotland, Pro.—Pearls from the river Ythan, Aberdeenshire.
 118 TOLAN.—Agates.
 119 WHITTAKER, J. Worksworth, Derbyshire, Prop.—Specimens of marble, and marble vase. White sand. White lead ore, and stalactite.
 119 M'QUIRREY.—Pearls.
 120 SWINBURNE.—Amber.
 121 JAMIESON, G. 107 Union St. Aberdeen, Prop.—Cairngorm stones from Cairngorm, Aberdeenshire, rough and cut. Aberdeen and Peterhead granite, cut and mounted. A ram's head mounted in silver, as a snuff-box. Scotch pearls found in the rivers Don, Ythan, and Ugie, Aberdeenshire.
 122 TRISTLERWATTE, H. F. The Vine House, Sevenoaks, Kent.—A collection of gems and precious stones, more particularly illustrative of such as are used for personal ornament, mostly collected by Mr. Hertz, to show the great variety of shades of colour in each species of stone, and to prove the connexion of some of the classes.
 125 OXLAND, R. Buckland St. Plymouth, Inv. and Manu.—A series of specimens illustrative of an improved process for dressing ores of tin; containing wolfram, the tungstate of iron and manganese. A series of specimens of sugar, produced by the process of refining by acetate of alumina, patented by R. and J. Oxland, of Plymouth. Specimens of Dartmoor peat, and the products obtained by its destructive distillation in cast-iron retorts; peat charcoal, pyroxylic spirit, chloroform, &c.
 126 PEASE, J. Darlington.—Coal, from Pease's West Collieries; cokes made from the above. Fire-clay, fire bricks, drain-pipes, coping ridge-tiles, &c.
 126 HOWARD, T. C. E. Bristol.—Collection of sands, clays, building stones, and marbles; coals, minerals, and metals, belonging to the Bristol basin. Maps and sections of the strata, &c.
 127 FAHIE, J. K. Tipperary, Ireland, Prod.—Copper ore. White and black clay. Artificial cement and stucco, prepared from gypsum found near Tipperary. Anthracite coal. Draining tiles and pipes. Felspar, from Cork. Minerals from several parts of the country. Hydraulic and building limestone. Black and white marble. Red and grey marble, from Cloyne. Lead ore, found at Oola. Sands, white silica, from Killonan and Caher. Manganese. Irish laburnum candlesticks, boxes, and shoes. Black oak vases, and cluster of carved vines. Water, from a well in the rock of Cahel, 150 feet above the general level.
 128 GLEAG, M. Shetland.—Various minerals.
 128 MACDONALD.—Turquoises.
 130 IPSWICH MUSEUM COMMITTEE.—Sundry minerals.
 131 PAINE, J. M. Farnham, Prod.—Phosphoric fossils and marls from the upper green sand, the gault, and the upper part of the lower green sand, geological formations. Transverse section of pocket of hops of the choicest Golding variety, grown upon the phosphoric marl of the upper green sand, &c.
 132 LANCE, E. J. Frimley, Bagshot, Surrey.—Specimens of minerals, used as manures; of cultivated soils or earths, arranged from London to Cornwall. Specimens of corn, in illustration of the above mineral collection, &c.

- 134 DIXON.
135 HODGE.
136 GILL, W. B. Truro, Inv.—Normal guano, a manure prepared from the refuse of the fisheries, as a superior fertilizer.
- 137 M'DONNELL.
137 ROAKE, J. W. Newbury, Berkshire.—Specimens of soils which surround Newbury, with their applications. Samples of bricks, tiles, and pottery.
- 138 ROCK, J. Jun. Hastings.—Coal found in the summit tunnel of the Hastings and Ashford railway, 300 feet above the sea level. Claystone, said to contain oxide of chromium. Fine white sand, from Hastings cliffs, &c.
- 139 ROCK, MARY, 6 Stratford Pl. Hastings.—Ornamental stand, formed of Hastings grass, and containing specimens of Hastings pebbles.
- 139 SCLATER, T. Teignmouth, Devon, Mann.—Tables, inkstands, &c. made of or inlaid with madrepora, found at Teignmouth. Brooches and bracelets of malachite. Specimens of quartz from Dauphiné.
- 140 SWEETMAN, J. Sutton County, Ireland, Prop.—Blue limestone. Dolomite. Cement from dolomite. Quartz rock. Steatite. Brown hematite iron ore. Black oxide of manganese. Umber. Yellow and brown ochre. White sand, &c.
- 141 HARRIS.
142 COWPER.
143 TRICKETT, G. Manchester.—Iron ore and iron stone from the chief iron-producing districts of England, Scotland and Wales, with pig-iron produced from the same series.
- 143 TRICKET.
144 RAMSAY.—Manure.
145 CAWLEY, J. Pendell, Hedingley, Prod. and Mann.—Fuller's earth in the raw state, and dried and prepared for use in the manufacture of woollens: Stone and spar found in the same strata, at the Crawley pits in Nutfield, Surrey.
- 145 WOODHEAD, J. Leeds, Mann.—Bell-ropes; flaxweb; hempen ropes; worsted netting, for protecting fruit trees from frost. Large specimens of iron pyrites.
- 146 GAWKROGGE & HYMAN; 7 Princes Sq. Finsbury, Mann.—Fuller's earth, from Reigate and Nutfield, in Surrey.
- 147 DAVE, T. Reigate, Prod.—Grey-stone lime, from lime-works, Reigate Hill.
- 149 GOULD, R. White St. City of Cork, Ireland, Mann.—Samples of salt from rock salt pickles.
- 150 WORTHINGTON, W. Northwich, Cheshire, Prop.—Rock salt, from Northwich; refined salt for curing fish. Fine high-dried and Malvern salt, for table use. Large grained bay salt.
- 151 HILL, J. Ringsend, Dublin, Mann.—Basket and pink salt for table use; Irish fine, or butter salt, and coarse or provision salt.
- 152 HINCHLEY, S. Jun. 32 Fleet St. Mann.—Native sulphur, from Steily, with products
- 154 JOHNSTON.
155 RIDDELL, Sir J. M. Bart. Strontian, Prop.—Hexahedral prismatic calcareous and other spars. Crystallized carbonate of strontia. Sulphates of barytes with phosphate of lead. Gneiss. Gneiss passing into granite. Gneiss with red felspar, &c. Porphyritic granite. Granite studded with garnets; from the summit of Ben Nevis. Sulphurets of lead and zinc, &c.
- 156 PROCTER.
157 HIGLEY, S. Jun. 32 Fleet St. Imp.—Rocks and fossils, to illustrate works on geology, from Dr. Krantz, at Bonn.
- 158 NIXON, Rev. A. Nathfield, Dunfanaghy, Donegal, Ireland, Prod.—Silicious sand, from Muckish mountain, near Sheephaven or Ballyness. Slate, from Ballyboes quarry, recently opened. Steatite, found in large masses on the seashore.
- 160 BROWN, P. E. Down Hatherley, Gloucester, Prod.—Limestone, applicable to purposes of lithography, &c. Ironstone, septaria, iron pyrites, hard limestone, bone bed, from Wiltshire, Gloucestershire, Somersetshire, &c.
- 162 WALTON, J. Greenenda, Alston, Prop.—Quartz; ruby blends or limestones; fluor spar; copper pyrites; galena and blends on quartz; carbonate of lime; carbonate of lead, &c. Lead ore.
- 165 BROCKDON, W. 29 Devonshire St. Queen Sq. Pat. and Mann.—Native plumbago, Cumberland black lead cedar pencils, &c.
- 166 KEVYN & SEW, 113 Cheapside, Inv. and Mann.—Drawing pencils: Water colours, prepared with wax, &c.
- 167 ADAMS.—Blacklead pencils.
168 BARNHAM.—Black-lead.
169 BROOKMAN & LANGDON, 28 Gt. Russell St. Prop.—Black lead, raw and hardened, from Cumberland.
- 170 SOLOMON, T. Truro.—Varieties of hone-stones.
171 LE HURTE, G. Astramont, Wexford, Ireland, Prop.—Porphyritic granite, and grey porphyritic granite, from Carra, Wexford: Conglomerate, from Astramont. Fine clay, from Wexford. Specimens of Traneen grass, prepared by the poor Irish of Newtownbarry, &c.
- 171 MEDINA, C. 103 Leadenhall St. Mann.—Circular grindstones, for glass, mineral teeth, fine tools, &c. Grinding lathe, &c. Circular and flat oilstones.
- 172 RICHARDSON, T. W. Breda, near Northam, Sussex.—Specimen of silicious stone found in the parish of Breda, Sussex; for sharpening edge tools.
- 173 COLLINGS, C. Mansfield, Prop.—Red casting sand, found only at Mansfield, is of value for producing the finest castings.
- 174 FLATHER & HADEN, 1 Castle Mills, and 2 Broad Lane, Sheffield.—Prepared Trent sand, or wharpe. Prepared Welch rotten-stone. Prepared lime, used for pollishing Britannia metal, brass, copper, German silver, electroplated, and silver goods.
- 175 WILSON, Sir J.—Casting sands.
176 CLARKE.—Sand.
177 HONSON, Sir G. Bart. Hollybrooke Bay, County Wicklow, Ireland, Prop.—Specimens of porcelain clay, from Sugarloaf mountain.
178 LOCKE & SON.—Sands.
179 MORRISON, G. Agent of Earl Scarsdale, Reigate.—Sand from the common called Reigate Heath, which from its fine sharp grit is valued in the manufacture of glass.
- 180 RILEY, S. Reigate, Surrey, Prod.—White sand, from the Tunnel Caves at Reigate, called in use silver sand.
180 ROYAL DUBLIN SOCIETY, Kildare St. Dublin, Prop.—Specimens of marble from Armagh, Galway, Roscommon, Kilkenny, &c. Native gold, from county Wicklow, lead and copper. Specimens of the clay iron stone, from Arigna mine, near Dreworshambo. Slate. Fire brick tiles, &c. Compressed peat fuel. Coal, &c. Hemp and flax, from different localities. Alpaca wool, grown at Grubbborough, county Kerry.
- 181 ROBERTS, S. S. Douglas, Isle of Man.—Specimens of the earths and sands of the Isle of Man.
182 SWEETMAN.—Sands.
185 ROUSE, Capt. & SIMMONS, G. N. Truro.—Specimens of sands from Cornwall for building and agricultural purposes.
185 STILLEME.—Sands.
188 SCURIE, J. & W. Tynworth, Isle of Wight.—Specimen of pure white sand, for the manufacture of best flint glass, from Alum Bay, near the Needles, Isle of Wight.

CLASS I. *Mining and Mineral Products.*

- 187 LEE, J. L.L.D. Hartwell, near Aylesbury, Prop.—Samples of fine washed sand, from Stone, near Aylesbury, and glass prisms and spheres made from it. Black lace, made by poor women of the parish of Stone, near Aylesbury.
- 188 PRIFPARD, T. Wareham, Prop.—Potter's or pipe or brown clay, from Carey pits, with wares and tobacco-pipes made therefrom; also silicious sand, for the manufacture of glass.
- 189 GRIEVE, J. Prestonpans, Mann.—Fire-clay in its raw state, with articles made from it.
- 191 KING, J. Hurlet and Campsie Alms Co. Glasgow, Mann.—Alum slate, or schist, from the mines of Camale, Stirlingshire, rough and manufactured, &c. Iron pyrites and prunite of potash.
- 191 KING, G. Demidge Lodge, Gazelwy, near Newmarket, Mann.—Red brick earth as dug from the pit. Red building pavement, and coping bricks made from it.
- 192 DEKING, J. Middleton, County of Cork, Ireland, Prod.—Various materials obtained at Bostellan, county of Cork, Ireland, and articles of earthenware and glass, manufactured from them.
- 193 AINS.—Clay.
- 194 NORTH DEVON POTTERY Co. Annesey, near Bideford, Mann.—Raw clay, as raised from the pit. Gravel or sand, from the River Torridge. Sewerage pipes, hollow brick, ornamental ridge and garden tiles, &c. made from the same.
- 195 BURNETT, N. Black Hedley, Gateshead, Newcastle-upon-Tyne.—Specimen of clay, found near Black Hedley; with articles manufactured from the clay, by Fall and Co. Newcastle.
- 196 CROCKER.
- 197 ESDMOND, Sir J.
- 198 FAYLE & Co. Old Swan Lane, Upper Thames St. Prop.—Norden blue clay, from the Isle of Purbeck.
- 199 JENKINS & COURSWY, Truro, Prod.—Specimens of Cornish China stone, and with its natural fracture; raised in the Great Bodilla China Stone Quarries, St. Stephen's, Cornwall, largely used in the potteries for the manufacture of the finer descriptions of china and earthenware.
- 200 KING & Co.
- 201 MALLETT.
- 202 MICHELL, SARAH, St. Anstell.—White china clay, for manufacturing china and earthenware, also for bleaching paper, calico, &c.
- 203 PHIPPS.—China-clay.
- 204 FINE, W. & J. Wareham, Isle of Purbeck, Prod.—Potter's or blue clay, used in the British potteries. Stoneware clay, used for stoneware and drain-pipes. Pipe and alum clay.
- 205 BROWNE, W. St. Anstell, Prop.—Specimen of china clay, derived from the decomposition of felspar. Engine repeter, containing a description of the duty performed by the steam-engines used in the mines of Cornwall and Devon.
- 206 THROCKMORTON, C. St. Anstell.—Cornwall china stone, and china clay, native and calcined; in a state for porcelain; and for bleaching and paper making.
- 207 THROCKMORTON, C. St. Anstell.—China clay as dug out of the earth, from Candle Down clay-works, prepared, burnt, and calcined.
- 208 WANDSFORDS, Hon. C. Prop.—Anthracite coal. Iron-stone. Fire-clay. Slate-clay, &c. Clay for making draining-tiles. Sand, for fire-bricks and moulding.
- 209 WHEELER, PHILIP, & Co. St. Anstell, Prop.—Samples of China clay. Bleaching clay, used in the cotton and paper manufactures. Clay, used in the manufacture of alum and China stone.
- 210 EMMERILLER.—Brick and tile clay.
- 211 PHILLIPS, W. Morley Works, near Plympton, Prod.—Disintegrated granite, from Morley Works, Devon. Prepared china, clay, or decomposed felspar. Clay for fire-bricks and crucibles. Plymouth porcelain made by Cockworthy, the discoverer of china clay in this country. Pottery and china, made from the china clay.
- 212 ROSE, T. Claremont, Hastings.—Iron ore and Tilgate stone, from Hastings. Hastings granite, clay, and home stone.
- 213 FISHER, F. Woolpit, Suffolk, Mann.—Specimens of woolpit brick-earth. White building bricks. Pavement bricks and draining pipes.
- 214 SIMONS, T. Birmingham, Mann.—Specimens of raw and burnt clay, used for glass-house pots. Portable furnaces, retorts, crucibles, &c., with specimens of the wares, &c.
- 215 JENKINS & BEKE, Truro, Prod.—Lump and powdered ochre, from Fenwithers, near Truro, used chiefly by painters, paper-stainers, and paper-makers.
- 215 JENKINS & BEKE, Truro, Prod.—Ochre, from Kee, near Truro; used in the manufacture of paints, paper-hangings, &c.
- 216 POTTER.—Ochre.
- 217 ROBERTSON.—Ochre.
- 218 HOCHADAY.—Ochre.
- 219 GORE, W. Moreton in Marsh, Prop.—Ochre, brown, in its raw state, &c., calcined, for colours.
- 220 JENNER.—Ochre.
- 221 POTTER & Co. 87 Aldgate, and Cromford, Derbyshire, Prop. and Mann.—Derbyshire spar, white-lead-ore-lead ore, barytes, &c.
- 222 DYER, W. B. Mold, Prop.—White lead ore, carbonate lead ore, from Jamaica mine.
- 223 FRIG, HARPER, & Co.—Plaster of Paris.
- 224 MARTIN, E. St. Anstell, Prod. and Mann.—China clay. French kaolin used in the Staffordshire potteries in bleaching and in paper making. China stone.
- 225 MARTIN, REANOGA, Higher Blowing House, St. Anstell, Prod.—Porcelain or china clay, natural, and as prepared for the market. Silicious sand, used in the manufacture of glass, &c.
- 226 COWPER, J. Alston, Cumberland, Prop.—Large crystal of sulphate barytes. Bromite on bitterspar and pseudomorphous quartz. Carbonate barytes, extensively used in the manufacture of glass: Barytes and galena, coal, shale, carbonate of lime, &c.
- 227 WHITE & SORE, Westminster, Mann.—Specimens of cement stones and those producing plaster of Paris, as used in England for building purposes; showing the raw stone, the powder calcined and ground, and cubes of cement in a set state.
- 228 BLITH & JACOBS, 44 & 45 Baldwin's Gardens, Gray's Inn Lane, Mann.—Gypsum and its products.
- 228 BLITH & JACOBS, 44 and 45 Baldwin's Gardens, Gray's Inn Lane.—Gypsum; the same calcined; also prepared for manure. Plaster of Paris, with various articles of the same.
- 229 GRAVES, R. Warwick, Prod.—Blue Lias limestone. Models in Lias, Portland, and improved Roman cement, &c.
- 230 WHITE, H. Dunstable, Beds.—Chalk, produced in the Downs of Dunstable. Whiting, or chalk in a refined state.
- 231 MAXWELL, W. Munches, Dalbeattie, Scotland, Pro.—Slab of granite from Craignair quarry, near Dalbeattie, Kirkcudbright.
- 232 MURKETT, J. H. Fowey, Cornwall, Prop.—Slabs of black, red, and green porphyry. Tesselated porphyry table, containing 54 specimens of native stones from Withiel, in the county of Cornwall.
- 233 ROSSMORE, Lord, Rossmore Park, Monaghan, Ireland, Prop.—Specimen of green granite from Rossmore Park, county Monaghan.

CLASS I. *Mining and Mineral Products.*

- 234 GOWAN, J.** Edinburgh, Prop.—Group in freestone. A. H. Ritchie, des. and sculp., 93 Princess Street, Edinburgh. Stone from Redhall and Binny quarries; Binny bitumen sandles, &c. Model and drawing of steam cranes. Drawing of boring machine, capable of boring holes to the depth of 40 or 50 feet; from 3 to 6 inches in diameter, and used in conjunction with galvanic battery for cutting the large masses of rock in the quarry.
- 237 RAY, W.** Inverary, Scotland, Mann.—Specimens of granite, from Inverary and Bonnan; and of Loch Etive and Mull granite.
- 238 Voss, J.** Woodyhida, Corfe Castle, Prop.—Purbeck marble, used in decorating the interior of the Temple Church, London, &c.; from Woodyhida, Corfe Castle.
- 239 COURTOURN, Lord.**—Block of Jasper.
- 240 HALL, J. & T.** Marble Works, Derby, Mann.—Series of pieces of Derbyshire black marble. White marble, exhibiting T. Hall's new method of ornamenting, by depositing on the surface, malachite or green carbonate of copper.
- 240 HALL.**
- 241 COLLINS, A.** Marble Works, Kilkenny, Ireland, Mann.—Best pedestal of Kilkenny marble, from the Black Quarry.
- 242 EGAN.**
- 243 GULLING, F. L.** Castletown, Isle of Man, Prod.—Gelling marble, obtained from Coshnahawin and Skilloore, in the parish of Malew, Isle of Man; red porphyry, and agate or pebble.
- 243 PRICH, J.** High St. Gateshead, Newcastle-upon-Tyne, Inv.—Freestone, from a quarry in Gateshead, used for building furnaces for glass-houses. Model of a patent steam boiler, intended to consume a small quantity of fuel. Model of a common sewer, with pipes for gas, water, &c. Lamp for miners. Safety-valve, in the form of a cup and ball.
- 244 MONTREBO, L. A.** 13 Claremont Ter. Pentenville.—Specimen of pure oriental alabaster, veined in colours, from Canada.
- 245 DAMON.**—Polished septaria.
- 246 LEWIS.**—Building of ornamental stones from Ireland.
- 248 JENKINS & STICK, Truro.**—Varieties of porphyry from Tremone, in Withiel.
- 249 WHITE, H. C. St. Helier, Jersey, Prop.**—Specimens of Syenite and conglomerate.
- 250 FREEMAN, W. & J.** Millbank St. Westminster, Prod.—An extensive collection of specimens of granite, Portland stone, slate stone, Purbeck marble, Bath stone, fire-stone, Galway marble, and Caen stone, from all parts of the United Kingdom.
- 251 COOPER, G.** Wicker Lane, Sheffield.—Specimen of registered Venetian chimney-top.
- 251; HURCHAMSON.**—Bust and pedestal in blue Peterhead granite.
- 252 HICKS, T.** Truro.—Varieties of porphyry for various purposes.
- 253 RIDD, T. H.** Trebantha Hall, near Lanncoston, Prop.—Varieties of porphyry for ornamental and building purposes.
- 254 WHITLEY, N.** Truro.—Varieties of porphyry.
- 255 FOOT, J.** Abingdon St. Westminster, Prop.—Specimens of Portland stone, with specimens of workmanship; to be used for internal and external work.
- 257 BELL, J.** 25 Buckingham Pl. Fitzroy Sq. Des. and Mann.—Specimen of oolite limestone, from the Oreton Bank Works, Shropshire; marble, &c.
- 257 BELL, E. L.** Newcastle-upon-Tyne, Mann.—Specimens of magnesia alba, and calcined magnesia. Specimens to illustrate H. L. Patinson's patent for the manufacture of a new salt of lead.
- 258 CARBUTHENE.**
- 259 CLARK, G. H.** Rotherhithe, Agent.—Granite, from Hayer Rocks, South Devon. Bramley Fall stone, from Yorkshire and Berwick-on-Tweed.
- 260 CUMMINS, Rev. J. G.** Castletown, Isle of Man.—Specimens of flagstone, marble, freestone, granite, porphyrite, greenstone, iron ore, &c., from the Isle of Man.
- 261 DAVIS.**—Building-stones.
- 262 FINNELL.**
- 264 FOWLER.**
- 265 FREEMAN, S.** Cromwell Bottom, near Halifax, Prod.—Laminated flag-stone; black stone, from Ringby, and from the Elland Edge Quarry; sand-stone from the quarries at Greetland, near Halifax, Yorkshire.
- 266 FRETTON, W.** Hawthorn Cottage, Stroud.—Building stone from Palnswick Quarries; from Sheepscombe, and from Nailworth Quarries.
- 268 HAZEN, J.** Godley Cottage, near Halifax, Prod.—Free-stone from Northwram quarries, near Halifax, rough and dressed. Flag, for causeways, &c. Millstone grit, from Halifax.
- 269 HUGHES & BOW, 1 Gt. Dover St. Borough.**—Mill-stones made of French burrs, with wind-chest and ventilating holes, for grinding with Bovill's patent air-blast.
- 270 JENNINGS, B.** Hereford, Prop.—Specimen of sandstone, from the Three Elms Quarries near Hereford, very durable.
- 271 KING.**
- 272 LEARD, BREEDMAN, & Co.** Rotherhithe, Prop.—A block of Caen stone from Allemagne Quarries, Caen, Normandy, and two cubes of stone from Anbigny, France.
- 273 ARMSTRONG.**
- 274 BARRY & BARRY, Mawgan St. Columb. Prod.**—Fire-stones, a soft grained elvan or porphyry, from quarries near Newquay.
- 274 SHIELD, J.** Newcastle-upon-Tyne, Maker.—Model, showing the process of manufacturing shot from lead.
- 275 ELLIS.**
- 276 KIRK & PARRY, Sleaford, Lincolnshire, Prop.**—Specimen of Ancaster stone, quarried from the lower oolite formation, at Wilsford, near Sleaford, Lincolnshire, adapted for sculpture and elaborate ornaments.
- 277 LOCAL COMMITTEE, FALMOUTH and PENRYN.**—Stone, from Forkella, Wendron, from Forest-gate, Stithians; from Church Town, from Mylor, near Penryn; and from Wendron. Specimens of building stone, granite stone for road making, porphyry, quartz, sand and magnetic iron ore from the neighbourhood.
- 278 LINDLEY, C.** Mansfield, Prop.—Magnesian limestone, or dolomite, from the Mansfield Woodhouse Quarries, reopened 1840, after a lapse of several centuries, for the supply of materials for the new houses of Parliament at Westminster. White calcareous sandstone. Red calcareous sandstone from quarries in work 400 years.
- 280 MITCHELL, W. B.** Salfeld.—Sandstones, for purposes of construction, and grind-stones.
- 281 MONAGHAN.**
- 283 OAKHAMPTON & Co.**
- 284 SOWDEN, M.** Burley, near Leeds, Prod.—Hard delf-stone grit, close in the grain, and suitable for headstones, steps, &c.
- 288 OLLAGAN.**—Building stones.
- 294 DALTON, J.** 48 Summer Hill, Dublin.—Mineral specimens, from Clonmore, County Mayo, Ireland, comprising clay iron-stone, bog-iron ore, and coal.
- 295 SKYMOUR, Z.** Shut, near Glastonbury, Prod.—Model of a flight of stone steps cut from the blue lias stone; and specimens of workmanship.
- 296 PROCTOR.**

CLASS I. Mining and Mineral Products.

- 267 ROBINSON.**
268 ROTHERFORD, J. Wingerworth, near Chesterfield, Prod.—Stone from Wingerworth, Lion and Bramley-Fall quarry, Wingerworth, near Chesterfield: used for docks, bridges, &c.
269 SHARY.
291 SPARKS, W. Crewkerne, Collector.—Specimens of stone from the counties of Dorset, Somerset, and Devon: Greensand, Furbeck marble, blue lias limestone, white lias, new red sandstone, millstone grit, carboniferous limestone, and granite.
292 STAPLE, T. Stoke-under-Hamdon, near Yeovil, Prod.—Blocks of Ham-hill stone (oolite), partially worked.
293 STROCK, M. Shebden Hall, near Halifax, Prop.—Specimens of ashlar building stone, from the Shebden-head quarries, near Halifax.
294 TAYLOR, J. Stamford.—Marble, sandstones, slate, limestone, &c. obtained within seven miles of Stamford.
295 TOWSEND, R. Clearwell, near Monmouth.—Forest stone for steps, coping, &c. Ashlar blocks for paving, gravestones, &c. from the Forest of Dean.
296 WALSH, J. E. EXECUTORS OF, Leeds, Prop.—Sandstone, used for docks, bridges, locks, engine beds, &c. Pottersnewton stone, used for landings, sills, &c.
297 WILLIAMS, W. 1 Wellington St. Cardiff, Wales, Prop.—Free-stone from the Quarrelia quarry, near Bridgend, Glamorganshire.
297 WILLIAMS, D. Bangor. Patent slate ridges and hip, from Bangor, Wales.
298 WRIGHT.
299 NICHOLLS, J. Trekemning St. Colomb, Prop.—Block of porphyry or elvan stone, raised near Newquay, Cornwall; resisting the action of the weather.
300 SADLER.
301 GUILLAUME, G. Southampton.—Specimen of stone found in Hampshire, adapted for ornamental use.
302 JOHNSTON, G. Craigeleith, Edinburgh, Prop.—Stone from Carlingnose quarry, North Queensferry, Scotland, used at dockyards, &c.; and in paving the Imperial Museum at St. Petersburg. Stone from Barnton Mount quarry, near Edinburgh; specimen of stone from Craigeleith quarry, near Edinburgh, used at the British Museum, Royal Exchange, Custom House, &c., London.
303 POWELL, F. Knaresborough, Yorkshire, Collector.—Building stones, from quarries near Knaresborough.
304 POWELL, W. J. Tisbury, near Hindon, Wilt. Prod.—Hard and soft varieties of building stone, flint, and chert. A fossil fish and tree from the oolite formations at Tisbury.
305 SMITH, T. Vine Hall, Hurst Green, Prop.—Limestone, from Mountfield, Sussex. Two blocks of concrete, formed with the Mountfield stone-lime.
306 DRIVER, W. 4 Lyon's Inn, Strand, Middlesex, Prod.—Specimens from the Chevin stone quarry, Otley, York.
307 ENCLAR.
308 MORPHEE, J. Studfold, near Settle, Prod.—Blue flagstone, obtained from Horton Wood quarries, which have been worked probably about 100 years.
309 CLOGAN, T. jun. 8 L'Hyvrouse Ter. Guernsey, Prop.—Specimens of granite, porphyry, and pot-stone, from Guernsey, Herm, and Sark, used for building and macadamizing.
310 THE LESSEES OF THE STANHOPE LIMESTONE QUARRIES, Props.—Specimens of the oolite strata in the "Great Mountain limestone" from Weardale, in the county of Durham.
311 GREENELL, T. 11 New Palace Yd. Westminster, Prod.—Specimen of magnesian limestone, used in the construction of the New House of Parliament, from quarries at Aunton, in Yorkshire.
312 BRADALABANE, Marquis of.—Slates from the quarries of Easdale, &c. in Argyllshire.
317 NIXON.—Slates.
318 TURNER.—Slates.
320 STIRLING, T. jun. Belvidere Rd. Lambeth, Des. Inv. and Manu.—Slate cabinet, exhibiting the various applications of slate. Patent filters. Ornamental loo-table top. Sofa and side-table ornamental tops. Chess or ladies' work-table tops. Specimens of roofs covered with slates from the Bangor quarries, &c.
320 STIRLING (MORRIS), J. D. F.R.S.E. 13 Great Cumberland St. Hyde Park.—Specimens of zinc. Alloys of copper and other metals. Sheets of iron, covered with zinc, and alloys of zinc, &c.
321 GREAVES, J. W. Port Madoc, Carnarvon, Wales, Prop.—Slabs and slates from the quarry at Festiniog, with tools used in manufacturing the same.
323 ASHDOWN, W. 26 Queen St. Dublin, Prod.—Roofing and writing slates, slate pencils, and hones; Roman cement.
323 LYON & Co. Swansea.—Two bricks of patent fuel.
340 BITUMINOUS SHALES CO. 145 Upper Thames St. and Wareham, Dorset, Manu. and Prod.—Bituminous shale, with its products.
341 TURNER, S. Orchard Pl. East India Docks, Manu.—Coal and its products. Products from caoutchouc and wood.
342 AZULAY, B. Rotherhithe, Pat.—Artificial fuel, made by pressure from coal-dust. Charcoal, from refuse tan.
343 THE BIDEFORD ANTHRACITE MINING CO. Bideford, Devon.—Anthracite coal. Compressed fuel, moulded in blocks. Mineral black paint, in powder, and mixed with oil or coal tar.
343 SAMES, J. Blaina, near Abergavenny, Wales, Inv.—Model of a blast furnace for smelting iron ore, &c.
344 CONNOLD, E. 1 High St. Kensington, Inv.—Condensed peat fuel.
345 PATENT FUEL CO. 15 St. Mary Axe, Manu.—Warlick's patent fuel.
346 REES, R.—Peat and products.
347 REYSEL ASPHALTE COMPANY.—Bitumen for pavements.
348 WYLAN'S PATENT FUEL COMPANY.—Patent fuel.
349 DYER.
350 ROGERS, J.—Peat and products.
351 ABERDARE COMPANY.—Coal.
352 ALLAN, GILMOUR, & Co.—Coal.
354 BUTLER, J. L. Liverpool, Prop.—Coal, cannel-coal, and coke, from different seams, worked by the Moss Hall Coal Company, at Ince, near Wigan.
356 BAGOT, C. 12 Charlemont Pl. Ireland.—Turf, or peat. Anthracite, or stone coal, from Kilkenny, county Tipperary.
357 RUSSELL & SON, Bathgate, Stirling.—Specimen of cannel or gas coal, from Boghead, near Bathgate, Scotland, chiefly used for the production of gas.
358 CADELL, H. Scotland.—Coal from Dalkeith Colliery, as a specimen of the general coal field of Midlothian. Steelyard, with improvements.
361 JONES, SELLS, & Co.—Coal.
362 BANNISTER.—Coal.
363 ATKINSON, J. Coleford, Gloucester.—A complete set of specimens of the workable seams of coal and veins of iron ore, from Her Majesty's Forest of Dean, in compartments.
364 JOHNSTON.—Coal.
365 BARROW.—Coal.
366 LLANGENWECH COAL CO. Port of Llanelly, and 5 Coal Exchange, Prod.—Woody and sparry specimens of free-burning, smokeless, steam-coal, from the same vein.
367 POWELL, T. Gaer, near Newport, Monmouthshire, Prop.—Specimens of Powell's Duffryn steam coal, from

—Specimens of copper ores from various mines in Cornwall, showing the various processes it undergoes in preparation for the market, together with the method of determining the per centage of pure copper, and the strata in which found.

470 DAVIES & TAYLOR, Aberystwyth.—Lead ores.

473 LESTAGE, J. Tallaght House, Dublin, Prop.—Iron and lead ores from Wicklow. Native gold and silver. Minerals and ores from the counties of Dublin, Kildare, Limerick, and Donegal.

474 ROWLANDSON, T. 7 Esher St. Kennington, Pat.—Specimens of ores and products from the Isle of Anglessea, the Vale of Ovoca, Wicklow, and the Cwmhuan Gold Mine, Merionethshire.

475 BERNETT, CARE, & Co.—Copper ores.

474 DEVON GT. CONSOL. COFFEE MINING CO. Tavistock.—Specimens of copper ore.

475 LEAN, J.—Copper and lead.

479 BIRD, J. Wallwyd, Merioneth, Wales, Prop.—Specimen of silver lead ore, weighing 350 lbs. from the great Cowarth silver lead mine.

480 MINING CO. FOR IRELAND, 3 Burgh Quay, Dublin, Prod.—Silver-lead ore, from Shalloe mines, Tipperary. Silvery-copper ore, from Gurtudyne, county Tipperary. Copper ore, from Ballynace, county Tipperary, and from Lackmore, county Tipperary, rough and dressed for market.

481 THE DUKE OF DEVONSHIRE, and his Agent, Captain ENDY, Grassington.—Specimen of Devonshire lode, grit-stone, &c. Transverse section of the Devonshire lode.

482 SWARTON, J. H. Skibbereen, Prod.—Yellow copper ore, or copper pyrites, from Misen Head Mine, County Cork. A specimen of native copper crystallised.

483 BUOULEUCH, Duke of.—Model of the furnaces and pots employed on the Duke of Buccleuch's mines, at Wanloch Lead-hills, in Dumfriesshire, for separating pure silver from the rich lead ore of that district. A block of pure silver, weighing more than 140 lbs. Specimens of lead as brought from the mines after smelting. Crystals of lead and other illustrative specimens. Model of the lead vapour condensing apparatus, at Wanloch Lead-mines, as improved by the Duke of Buccleuch. A collection of minerals from the Wanloch Lead-mines, or Lead-hills.

485 SMOKE, R. Camborne, Cornwall, Prop.—Map of Carn-brea mine, of Camborne and Illogan, and Tavistock mining districts, and of the duchy of Cornwall.

493 BERNETT, T. 11 Woodbridge St. Clerkenwell, Manu.—Leaf gold, made by steam machinery.

497 CUMMINS, J. G. Isle of Man.—Argentiferous galena, from the Foxdale Mines, containing three ounces to the ton of silver.

498 ROWE, R. Laxey Glen, Douglas, Isle of Man, Joint Prop.—Silver lead ore, and blende ore, from the Laxey Mines, Lonan, Isle of Man.

499 BYRNE, J. Stockton-on-Tees, Durham, Prod. and Manu.—Lead ore, silver, and litharge, from Grasshill Mine, Teesdale. Refined, common, and slag lead, sheet, and pipe.

500 BURR, T. W. & G. Shrewsbury, Prod. and Manu.—Mineral specimen, raised at the Smallbeach lead mines, Shrewsbury, weighing 12 cwt., containing cubes of lead and zinc ore, with carbonate and sulphate of barytes, &c.

509 GREY, J. Dilston, Corbridge, Agent.—Blende and calamine from Alston Moor, Cumberland; spelter produced from them.

529 WALLACE, W. Nenthead, Alston, Prop.—Carbonate of lead, from Little Egglestons Lead Mine, in Teesdale, county of Durham.

537 EVANS, E. Oldham.—Various metalliferous ores, from Anglesey.

545 THE TRURO LOCAL COMMITTEE.—Articles illustrating lead, from East Wheel Rise, near Truro, Pentire Glaze, near Wedebridge, and other Cornish mines.

558 JOHNSON & MATTHEY, 79 Hatton Garden, Manu.—Metals and compounds: Platinum, palladium, iridium, rhodium, uranium, &c.

563 PATTERSON & CAIRN, Newcastle-upon-Tyne, Prod.—Specimens of a peculiar ore of lead, viz., arsenio-phosphate of lead, rarely found in such large masses. From Dry Gill Mine, near Heakel New Market, Cumberland.

560 SMOKE, R. Truro.—Mining maps.

561 A COLLECTION OF MINERALS contributed by Agents and Workmen connected with the Lead Mines of Allendale, Alston Moor, Weardale, Caldbeck, and Keswick, including 170 specimens, arranged and cemented, together by Mr. Isaac ROBINSON, of Nenthead, for the Great Exhibition of 1851, under the general Superintendance and Direction of Mr. T. SORWICK, and a Committee of Mining Agents connected with the above Districts.

562 CLIVE, G. & CLAY, J. M.P. Imperial Slate Quarry, Killaloe, Prod.—Specimens of Cahriglassann silver and lead ores, from between Gort and Kinvara, county Galway.

563 DILLON, Viscount C. H. Prop.—Specimens of iron-stone and bog iron ore, iron deposit, limestone, and coal, from the vicinity of Ballaghaderreen.

564 EKINS, G. Ware, Herts, Manu.—Slate coffin, with copper screws, perfectly air-tight.

565 TAYLOR, —, Dublin, Inv.—Hydraulic safety-lamp for coal mines.

566 WHITTEWAY, WATTS, & Co. Wareham, Dorset, also of Kingsstaignton, Devon, Prod.—Blue clay, used in potteries, from the Fursebrook pits, near Wareham, Dorset. Black, pipe, and top clay. Draining clay, from the pits at Kingsstaignton.

567 POLKINGHORN, W. Fowey Consols Mine, Tywardreath, Inv.—Synopsis exhibiting the standard, produce, price, and quantity of Cornwall and Swansea copper ores sold, amount of money realised, and the quantity of fine copper produced.

RITCHIE, A. H. 92 Prince's St. Edinburgh, Prop.—Colossal statue of Sir William Wallace, from a block of freestone from Binny quarry, near Edinburgh. The Orphans, group in freestone. Graham Spiera, late sheriff of Edinburgh: from a block of freestone from Redhall quarry.

CLASS 2. *Chemical and Pharmaceutical Products.*

1 PONTIFEX & WOOD, Shoe Lane, Fleet St.—Specimens of copper, spelter, zinc, lead, and tin.

3 BUCKLEY, the Trustees of the late, Manchester, Manu.—Crystal of cupressa, or sulphate of iron.

5 BUTTRON, C. 146 Holborn Bars, Manu.—Chemical products.

6 WILSON, J. Glasgow, Manu.—Alum slate, raw and manufactured. Iron pyrites and sulphate of iron. Sulphate of ammonia obtained from the distillation of coal. A rare specimen of naphthalene.

7 SPENCE, P. Pendleton Alum Works, Manchester, Inv. and Manu.—Iron pyrites, and its products. Schale or schist, and alum produced from it. Patent zinc cement, or hydraulic mortar; and specimens of the waste materials from which the cement is manufactured.

7 THURNANTS, C. & Co. Manchester, Manu.—Salts of copper, zinc, and tin, potash, soda, &c. used in calico dyeing and printing.

7 YOUNG, J. Ardwick Bridge, Manchester, Inv.—Mineral oil. Paraffine. Stannates, with models of apparatus.

8 HARKNEL & ELLIS, 9 Sugar Lane, Manchester, Manu.—Copper, tin, and lead ores, &c. from Anstralla, Cornwall, &c. Sulphur. Orabella weed. Ammonia, &c.

CLASS 2. *Chemical and Pharmaceutical Products.*

- 9 KURTZ & SCHMERSAL, Corabrook Works, Manchester, Mann.—New colouring matters, and preparations for printing and dyeing in cotton, linen, silk, and wool; with specimens. Ultramarine, of various qualities.
- 10 HOWARDS & KEET, Stratford, Essex, Mann.—Quinine and cinchona, with materials and salts. Nectandria radical, or green-heart bark, and its alkaloid beberine. Camphor, borax, tartaric and citric acid, antimony, silver, bismuth, iron, mercury, magnesia, potassium, iodine, zinc, opium, and their preparations.
- 11 MOSZLEY, W. Mulgrave Alum Works, Sandstead, near Whitby, Prod. and Mann.—Raw alum shale, calcined shale, alum meal, and finished alum. Sulphate of magnesia, rough and refined. Ammonia and magnesia, for manure as top dressing.
- 12 NAYLOR, W. 56 James St. Oxford St. Mann.—Various Glass ventilators. Wood, stained without sining.
- 13 EUGEN'S PAT. CAMPBELL Co. Hall, Mann.—Specimens of hearth-rug manufacture. Oleaginous seeds, tar, and turpentine; and their products.
- 14 BOWEN, J. Hunslet, Leeds, Mann.—Carbonate of soda, particularly adapted for scoring wood or woodlans.
- 15 POSTING, T. C. 38 High St. Bristol, Inv. and Mann.—Marking ink. Shaving cream. Medicinal vegetable fluid extracts, made with cold water.
- 16 NIKES & PARKER, 43 Mark Lane, Inv.—Tinted paper, chemically prepared pulp for bank checks.
- 17 COOK, T. A. Newcastle-upon-Tyne, Mann.—Crystallized carbonate of soda, manufactured by the Walker Alkali Company.
- 18 HILL, F. C. Deptford, Pat. and Mann.—Nitrate of potash, made by patent process. Sal ammoniac and smelling salts, derived from the ammoniacal liquid of gas works.
- 19 LINDSAY, G. Sunderland, Mann.—Green vitrol, or coppers of commerce, extensively used in dyeing silks, woollens, and cottons, making writing inks, Venetian red, &c.
- 20 CAHNEY, J. 9 Charlotte St. Manchester.—Carbonate of baryta, with specimens of lead ore, from Anglezark Moors, near Chorley.
- 21 CHESHIRE, J. Jun. Northwich, Mann.—Specimens of best table salt, and other salt.
- 22 COLLINS, R. N. Oxford Court, Cannon St. Inv. and Mann.—Disinfecting powder.
- 23 DUNCAN, W. L. Sydenham, Kent, Inv.—Sample of cotton waste cleansed after being used by engineers.
- 24 GOULD, T. Guernsey, Mann.—Salts, similar to those called Epsom.
- 25 HALL, J. Queenborough, Prod.—Specimen of coppers, from the works at Queenborough, Isle of Sheppey, with specimens of pyrites and coppers in a granulated form.
- 26 HORWOOD, H. Richmond, Surrey, Prop.—Sugar of milk.
- 27 JENKINS, W. H. Truro, Inv.—Arsenical compound: a general preventive of foulness, barnacles, &c. on ships' bottoms, buoys, &c. and of dry-rot in buildings.
- 28 KANE, W. J. Dublin, Mann.—Specimen of sulphate of soda, made in brick furnaces, and of bleaching powder (chloride of lime). Specimens of sulphur pyrites and manganese ore.
- 29 LINDSAY, W. & Co. George St. Glasgow.—Prussian blue, paste. Yellow and red prussiates of potash.
- 30 RICHARDSON BROTHERS & Co. Mann.—Refined saltpetre from the East Indies, &c.
- 31 SCHILLING & SUTTON, Brighton, Mann.—Samples of soda, Seltzer, and Fachingen water. Effervescing lemonade.
- 32 STRUBE & Co. Royal German Spa, Brighton, Mann.—Artificial mineral waters.
- 33 WATT, W. Glasgow, Mann.—Sea-weed, with its chemical products:—Kelp, sulphate of potash, chloride of potassium, carbonate of soda, and iodine. Iodide of potassium. Hydro-pneumatic lift, for canal locks. Hydro-pneumatic elevators. Patent hydro-pneumatic ship-lift. Application of compressed air to the prevention of vessels from sinking.
- 34 KING, W. W. Sebo St. Liverpool, Mann.—Effervescent citrate of magnesia.
- 35 WARD, SMITH, & Co. Glasgow, Mann.—Iodine. Muriate of potash. Sulphate of potash. Alkali salt.
- 36 BREAKER, W. A. Douglas, Isle of Man, Inv.—Refined oil. Pure oleine, for watches, clocks, chronometers, fine machinery, and instruments.
- 37 GARR & Co. 10 Hatton Wall, Mann.—Shoe blacking.
- 38 DAVIES, J. Cross St. King St. Manchester, Inv. and Mann.—Preserved size, for any climate.
- 39 HOPKIN & WILLIAMS, 5 New Cavendish St. Mann.—Pure tannin. Crystallised chromic acid. Benzoate of ammonia. Bismuthide of mercury. Pure acedine, and other chemicals.
- 40 LEA, A. 150 Oxford St. Inv.—Myrrhine, enables the stomach to part with any quantity of food, without inconvenience or injury to the digestive organs.
- 41 PIROCOTTE, M. H. 8 Crosby Sq. Inv. and Mann.—Gum arabic, purified by a patent process. Hochstetter ultra-marine blue. Mammite prepared in Italy.
- 42 FAWCETT, R. 78 Snow Hill, and 7 Sommer St. Southwark.—Graining and flattening with the innocuous paragon paint.
- 43 PARROTT, W. 7 Cleveland St. Prod.—Semi-transparent brown colour from the smut of corn.
- 44 BROWN, F. 12 Ecleston Pl. Fimlico, Pat. and Mann.—Innoxious colours manufactured from the oxide of zinc, with specimens.
- 45 STRATTON, H. 54 Lower Stamford St. Blackfriars, Inv.—Stains for wood. Patent ever-pointed pencils. Fountain ink-holders. Ink powders. Patent fountain pens.
- 46 STRONACH, T. Saffron Walden, Prod.—Root, stem, flower, and stigmata of saffron. Violin, made from a description of one invented by Mons. Savart, of Paris.
- 47 STRONACH, J. Kettering, Inv.—Preparation for preserving the turnip plant from the fly. Proposed remedy for the smut in wheat.
- 48 QUELLE, A. Guy's Court, King St. Borough, Inv.—Skins illustrative of fur dyeing.
- 49 BARNES, J. B. 148 New Bond St. Mann.—Valerianic acid and valerianates.
- 50 FISHER, J. Madely, near Shiffhall, Mann.—Bisulphuret and chloride of carbon. Chloride of sulphur, &c.
- 51 GODSON, S. H. Tenbury, Worcestershire, and Rutland Gate, London, Prop.—Native mineral waters. Concentrated and tested, to show the bromine constituents, &c.
- 52 SHERWOOD, G. W. High St. Dorking, Surrey, Prod.—Regular crystals of sulphate of alumina, potassic-tartrate of soda, and sulphate of copper.
- 53 FOWLER, J. 35 Bedford St. Covent Garden.—Pure benzoic acid.
- 54 DAVY, MACKENZIE, & Co. Bermondsey, Mann.—Chemical preparations.
- 55 HULLOCK, J. L. 23 Conduit St. Mann.—Chemical principles from substances used as food or medicine.
- 56 POUND, M. 198 Oxford St. Imp. or Mann.—Imports from Calcutta: Indian bael; fruit of the Bengal quince. Wine of bael. Bark of the root of the bael tree. Soap berries, the fruit of the Sapindus. Jujube fruit, from the Zizyphus vulgaris of the south of Europe; imported from Paris. Flaked cold cream, &c.
- 57 ARNOLD, A. 11 Commercial Arcade, Guernsey, Mann.—Manufacture of iodine and hydroiodate of potash;

CLASS 2. *Chemical and Pharmaceutical Products.*

- specimens of the fungi and algae from which they are produced, and of the residuary product, used as manure.
- 79 **STRECKER**, J. A. 9 Westbourne Pl. Hyde Park, Mann.—Chemical preparations:—Naphthaline, caffeine, quinine, &c.
- 79 **STEVENS**, W. Jarrow Chemical Works, South Shields, Mann.—Crystals of soda converted into bicarbonate by exposure to carbonic acid gas.
- 80 **MURRAY**, Sir J. M.D. Monkstown, Dublin, Inv.—Bi-carbonate of magnesia, dissolved in distilled water. Fluid campher and magnesia. Carbonate of magnesia in crystals, as a dentifrice.
- 80 **DICKSON**, G. & Co. 46 Dundas St. Edinburgh, Mann.—Medicinal ood, ling, and skate liver oil. Cod liver ointment.
- 85 **OVEN**, C. Edinburgh, Mann.—Specimens of pure cod liver oil.
- 86 **ROBERTSON**, W. Banff, Scotland, Mann.—Cod liver and skate liver oil, extracted by steam-heat, manufactured at the various fishing villages on the coast of the Moray Frith. Sulphate of baryta and chloride of barium.
- 86 **WATTS**, J. 107, Edgware Road, Mann.—Pharmaceutical extracts.
- 89 **BURN**, S. J. 26 Farringdon St. Prop.—Cantharides. Cantharidine and its compounds.
- 90 **LAWRENCE**, W. 168 Sloane St. Mann.—Specimens of cod liver oil.
- 91 **WARD**, J. County Donegal, Rosslonon.—Kelp manufactured from sea-weed, and specimens of iodine, muriate of potash, sulphate of potash, &c. made from kelp.
- 92 **BULLOCK**, E. & Co. Galway, Ireland.—Arran Kelp. Potash. Sulphate of soda, iodine, and other preparations from sea-weed.
- 92 **TULLOCH**, A. Waltham Abbey, Prop.—Saltpetre, charcoal, and sulphur, used in the manufacture of gunpowder at the Waltham Abbey Mills.
- 93 **HOSKINSON**, J. W. & H. 77 Swinton St. Gray's Inn Road, Mann.—Chemical preparations of soda, iodine, mercury, potash, lead, citric and tartaric acids, iron, and zinc.
- 94 **KEMT**, J. H. Stanton, near Bury St. Edmonds, Prop.—Dried pharmaceutical indigenous plants, in glass vessels, with extracts, &c.
- 96 **HALLADAY & Co.** May St. Salford, Mann.—Specimens of starches, and the same manufactured into dextrine gums; applications of dextrine gums.
- 100 **AUSTIN**, J. B. Banbury, Mann.—Decoctions and infusions of medical substances. Superphosphate of lime. Sulphate of lime or gypsum. Fine white sand; found at Todmorton, near Banbury.
- 101 **RAM**, J. 81, Hatton Garden, Inv.—Concentrated medicinal infusions and decoctions.
- 106 **DEVENPORT**, J. T. 33 Russell St. Bloomsbury—Chemical preparations.
- 108 **DUNCAN**, FLOCKHART, & Co. Edinburgh, Mann.—Chloroform.
- 104 **MACPHERLAN**, J. F. & Co. 17 North Bridge, Edinburgh, Mann.—Series illustrative of the manufacture of the salts of morphia. Specimens of gallic acids. Specimens of sulphate of beberine, from green heart bark.
- 105 **McCULLOCH**, C. Covent Garden Market.—English and American herbs and roots.
- 107 **GODFREY & COOK**, 31 Southampton St. Covent Garden, and 30 Conduit St. Mann.—Carmina. Laka. Bismuth oxide. Ammonia. Oil of amber. Salt of amber. Artificial musk. Watchmaker's oil. Essence of ambergris, &c.
- 107A **KEATING**, T. 79 St. Paul's Churchyard.—Jalap root, saffron, kousoo, or *Brayera Anthelmintica*, from Abyssinia, matico, or *Piper augustifolium*, from Bolivia, and other drugs.
- 108 **SMITH**, T. & H. 21 Duke St. Edinburgh, Mann.—Specimens of aloine, the cathartic principle of the aloes, of gallic acid, of crystallised mannite, and of cantharidine.
- 109 **SCURIA**, F. 277 Oxford St. Inv. and Mann.—Pharmaceutical extracts. Chloroform and other inhalera. Apparatus for preparing infusions.
- 110 **TUSTIAN**, J. Melcombe, near Banbury, Mann.—Petals of the red rose. Confection of the red rose. Extract of benzene.
- 110A **TUSTIAN & USHER**, Melcombe, near Banbury, Mann.—English rhubarb, trimmed and untrimmed, and in powder.
- 111 **WILDSMITH**, J. H. S. Primrose St. Bishopsgate, Mann.—Pharmaceutical and chemical preparations and rare crystallisations.
- 111 **DIMMERFORD & Co.** 173 New Bond St. Inv. and Mann.—Magnesian minerals and chemicals.
- 113 **LAMPLOUGH**, H. 88 Snow Hill, Inv.—Chemical preparations.
- 114 **MELANCTHIAN CHEMICAL Co.** Neath, Wales, Mann.—Sugar of lead; or acetate of lead.
- 115 **BIRD & Co.** 2 Wellington St. Goswell St.—Mineral paints, which will dry under water, or on metals exposed to extreme heat: for ships' bottoms, damp walls, &c.
- 116 **COPPOCK**, J. Bridport, Inv.—A chemical liquid for imparting a mahogany and rose-wood colour to common woods, with specimens.
- 117 **COULSON**, JONES, & Co. 13 Clements Lane, Lombard St. Prop.—Mineral black for paint.
- 118 **CROGGON & Co.** 2 Dowgate Hill, Prop.—Patent asphaltic felt. Felted sheathing. Non-conducting hair felt, for boilers, steam-pipes, &c. Inodorous waterproof felt, for protecting paper from moisture. Mineral paint.
- 119 **DAUPHAIN**, GOSWON & Co. 17 Wharf Road, City Road, Mann.—Samples of ultramarine.
- 120 **ELLAM**, JONES, & Co. Markeaton Mills, Derby, Mann.—Emery: Granular rhombohedral corundum-stone, from Naxos, in Asia Minor. Mineral and vegetable colours, native and manufactured.
- 121 **ESKICOURT**, S. 2 Green Ter. New River Head, Inv. and Mann.—Refined Indian blue.
- 121 **PATTINSON**, W. W. Gateshead, Newcastle-upon-Tyne, Mann.—Specimens of crystallised alum, pure sulphate of alumina, called in commerce concentrated alum, and bicarbonate of soda.—Manufactured at the Felling Chemical Works.
- 123 **HUMPHREY**, C. Farnham Pl. Southwark, Inv. and Mann.—Colours produced by the combination of fatty acids with metallic oxides and peroxides. Candles and refined fatty matters.
- 125 **JOHNSON**, J. R. 12 Bankside, Inv.—Calico printed and dyed with murex and madder. Illustrations of printing in chints, eight fast colours.
- 127 **LEE**, C. 119 Lower Thames St. City, Imp.—Newly invented black dyeing material, particularly recommended for dyeing silk.
- 128 **LEITCHFIELD**, J. High Hill Ferry, Upper Clapton.—Dyes for silk. Carmine from safflower, indigo, and Prussian blue.
- 129 **RUSSELL & ROBERTSON**, Omoo Foundry, Holytown, Lanarkshire, Inv.—White carbonate of lead or ceruse, yellow chromate of lead, and red dichromate of lead; manufactured by a new process, not injurious to the health of the workmen.
- 130 **SCOTT**, L. 41 Moorgate St. Mann.—Patent white oxide of zinc, for house painting, produced from spelter, and imported from Silesia, Galicia, and Prussia.
- 132 **NICHOLLS**, W. Chippenham.—The Beaufort hunt lance. Fluid extract of annatto, for colouring cheese.

CLASS 3. *Substances used as Food.*

136 WALKER, R. Victoria Works, Beverley, Mann.—Carbonate of lime, from the quarry, Victoria Works, and Paris white, manufactured from it.

138 BLUNDSELL, SPENCER, & Co. Hall, and 9 Upper Thames St. Inv. and Mann.—Colours for oil painting and paper staining. White ox-chloride of lead: pat. White zinc paint. New drying oil. Anti-corrosion and stucco paint. Patent dryer. Composition for ships' bottoms. Oils, black lead, and varnishes. Patent hydraulic seed presses.

139 WOOD & BEDFORD, Leeds, Mann.—Specimens of the varieties of Hohen used in the manufacture of cudbear, orchil, and litmus, and of the substances obtained from them.

140 WILSON & NEWTON, 26 Rathbone Pl. Mann.—Artists' pigment. Brushes and pencils for drawing and painting. Canvas palettes, &c.

141 MASOV & SON, 11 Minster St. Regent's Park, Mann.—French varnish, and waterproof varnish.

142 BRANWELL, T. & Co. Heworth Chemical Works, Newcastle-upon-Tyne, Mann.—Crystals of prussiate of potash of commerce. Ferricyanide of potassium of chemists, used for dyeing blue in place of indigo.

143 MARRHALL, J. Leeds, Mann.—Samples of indigo, carmine, orchil, cudbear, lac dyes, turmeric; and specimens of 26 kinds of European and native manufactures of lac dye in India.

144 MAY & BAKER, Bateman, Surrey, Mann.—Chemical preparations.

145 DENTON, W. & Co. Manchester, Mann.—Ornaments of bichromate of potash, and of nitrate of lead. Mineral colours, &c. used by calico-printers and dyers, china, and earthenware manufacturers.

146 LEBSON, Dr. H. B. Greenwich, Inv.—Models, engraving, instruments, and specimens, illustrative of Dr. Leeson's system of crystallography.

CLASS 3. *Substances used as Food.*

1 LIGHTON, J. Frampton, near Boston, Prod.—Glass of honey, 19 lbs., produced under an improved system of bee management.

2 DOUGLEDAY, H. Coggeshall, Essex, Prod.—Fine specimen of honeycomb.

3 CARLTON, E. Elms, Lisburn, Ireland.—Camomile flowers.

4 REWLEY, J. F. Stamford, Lincoln, Prod.—Specimens of honey in the comb, free from pollen and brood cells, collected under Nutt's system.

5 KITCHEN, W. C. Newmarket, Cambridgeshire, Prod. and Inv.—Two specimens of honey. Apparatus for obtaining honey without impurity.

6 DUTTON, R. W. 145 Fleet St. Prop.—Honey in the comb.

GA HAMILTON, G. & P. Oldham, Mann.—Specimens showing the different stages in the manufacture of flour from the wheat to the biscuit.

7 HILLS & UNDERWOOD, Eastcheap, Inv. and Mann.—Malt vinegar, &c.

8 EVEN & Co. St. John's Lane, Gloucester, Mann.—Six bottles of champagne wine, manufactured in England from chabarb stalk.

10 ROBERTS, W. H. British Wine Works, Laverock Bank, Edinburgh, Maker.—Home made wines, &c.

12 GAMBLE, J. H. 23 Royal Exchange, Man.—Canister of boiled mutton, supplied to the Arctic Expedition in 1824, and found by Captain Sir James Ross in Prince Regent's Inlet in 1840, in a perfect state of preservation, &c.

14 SMITH, M. Cooper Alley, Dublin.—Preserved pig; large and small hams, cured upon the mild cure principle.

15 REYNOLDS & MCCALL, 127 Houndsditch.—"Goldner's Patent." Preserved animal and vegetable substances.

16 TAYLOR, R. Great Dunmow, Essex, Prop.—Fitch of bacon, the feeding, breeding, and produce of Dunmow, Essex.

20 LEONARD, J. & T. P. Hull, Prop.—Beef, prepared, cured, and rolled, so as to keep good for any length of time. The process of curing and mode of preparing invented by J. Tupling.

22 PAKEN & SON, 328 Regent St. Imp. and Mann.—Spices, preserves, &c.

23 UNDERWOOD, G. H. Fendleton, Manchester, Inv.—Meats, preserved without the use of salt.

25 WHITNEY, J. Calver Hill, Hereford, Inv.—Beef preserved in a dry state, peculiarly adapted for the use of sailors, being free from salt. Apparatus for preventing the bursting of steam-engine boilers, &c. by an improvement in the adaptation and composition of fusible metallic plates.

27 MOYLE, S. Berington House, Truro, Prod.—Fish cured, as an article of food. Model of a floating break-water. Mountain thermometer, on an improved plan, for measuring heights by boiling water.

28 SWEEDEN, E. City Rd. and East Rd. Inv. and Pat.—Coffee raw, and prepared by patent process. Samples of the processes of cleansing and purifying the coffee berry previous to roasting and grinding.

29 LEBARON, 10 Little Titchfield St. Imp. and Mann.—Chocolate and cocoa, in the various stages of manufacture.

31 FRY & SON, Bristol.—Specimens of the leaves, flowers, branches, &c. of the cocoa-tree (from Trinidad). Manufactures: cocoa and chocolate, and processes of manufacture.

32 WHITE, G. H. 147 Shoreditch, Imp. and Mann.—Cocoa and chocolate, raw and manufactured.

33 SMYTHON, R. 29 Spencer St. St. George's East.—Samples of cocoa.

34 MOWBRAY, L. A. 13 Claremont Ter. Pentonville,—Chocolate manufactured.

35 LANE, W. R. 236 Strand, Inv.—Improved coffee-pot.

36 GRAY, B. 1 Sambrook Ct. Imp.—Cocoon cocoas, from New Granada.

37 BUDD, J. T. 82 Mount St. Grosvenor Sq. Mann.—Extract of cocoa.

38 BREKEM, W. A. Cross St. Queen's Sq. Bloomsbury.—Samples of Trinidad cocoa, raw, and in the various stages of manufacture.

39 BENSOW, W. 128 Oxford St. Imp.—Cigar, tobacco, &c.

40 MILTON, J. 10 Gt. Marylebone St. Inv.—Honey wax, and hives for bees, with bees at work.

40 LANHERY & BUTLER, 141, 149 Drury Lane.—Tobacco from America, Havannah, Holland, &c.

42 JONAS & BROTHERS, 42 and 43 Leaman St. White-chapel, Mann.—Cigars and tobacco.

44 BREWER & TILL, 60 Fenchurch St.—Tobacco.

44 LUNDY FOOT & Co. Dublin, Inv. and Mann.—Snuff, made solely from the leaf and stalk of Virginia tobacco.

45 TAYLOR, T. G. Hackney, Grower and Mann.—Tobacco of English growth and manu. and snuff.

45A HYAMS, Michael, 79 Long Lane, Mann.—Cigars and pipes of British manufacture. Samples of tobacco.

46 SIMPSON, HUMPHREY, & VICKERS, 23 Little Britain, Imp. and Mann.—Isinglass, cut and uncut.

47 SALES, POLLARD, & Co. 57 Red Cross St. Cripplegate, Mann.—Cigars of Yara tobacco.

48 BUCKLAND & TOPHAM, Barrington Cres. Brixton, Inv. and Mann.—The cigarillo.

- 48 JONES & Co. 39 Brunswick Sq. Imp.—Cigars, foreign and British.
- 49 COHEN & ORR, 41 St. James's St. Imp.—Raw tobacco, cigars.
- 50 GOODEN, G. & S. 13 Prince's St. Spitalfields, Manu.—British cigars.
- 52 RICHARDSON BROTHERS, Edinburgh, Manu.—Tobacco, imported from Virginia into Leith, raw and manufactured. Snuff, &c.
- 53 THE LONDON SPICE TRADE, Imp.—Samples of spices, including mace, nutmeg, cloves, cinnamon, cassia, pimento, black and white pepper, ginger, and carawayseeds.
- 54 FAULKNER, R. and C. 44 Jermy St. James's, Manu.—Preserved fruits.
- 55 FORTNUM, MASON, & Co. 183 Piccadilly, Imp.—Preserved and dried fruits, and edible seeds, from various countries.
- 56 CLEMENS, J. 25 Mincing Lane, and Malagar, Prod.—Jordan almonds. Raisins.
- 59 RICHARDSON & SONS, 6 Duke St. Southwark, Prop.—Golding hops, grown in "the Hill," in Mid-Kent, in East Kent, and in the heart of Mid-Kent. Jones's hops, from Kent and Sussex. Grape hops, Colgate hops, &c.
- 60 ASHBYHAM, The Dowager Lady, Broomham, near Hastings, Prod.—A bag of hops, grown within three miles of the sea, in the parish of Guestling, Sussex.
- 61 ATTFIELD, C. Farnham, Prod.—Packet of Farnham hops.
- 63 GOLDING, R. Hunton, Maidstone, Manu.—Improved bee-hives. Pocket of Mid-Kent hops.
- 64 PROMLLEY, F. Maidstone, Des.—Magnified view of the formation and growth of the hop fungus, from its earliest to its latest stage.
- 65 MASTERS, A. Tonbridge, Prop.—Four branches of dried hops. Samples of the same.
- 66 PETERSON, T. Trinity Chambers, Water Lane, Tower St. Agent.—Oil cakes.
- 68 BURK, R. North Merchiston House, Edinburgh, Imp. Des. and Manu.—Cotton seed (seed cotton), with oil, and oil-cake made from them, imported from the colonies.
- 69 LE COUITEUR, J. Belle Vue, Jersey, Prod.—Specimens and notes of produce of some of the most approved varieties of wheat cultivated in Great Britain, or elsewhere, arranged by J. Le Couiteur, F.R.S., M.S.A., Aide-de-Camp to Her Majesty the Queen.
- 70 SHEPARD, A. Ipswich, Prop.—Eggbell white wheat, and Chevalier malting barley, grown in Suffolk. Malt manufactured at Ipswich.
- 71 THE TRURO LOCAL COMMITTEE.—Specimens of Cornish agricultural grains, Indian corn, &c.
- 72 WEBB, R. Calcut Farm, Reading, Prod.—Mummy Talavera wheat. Wellington apple, famous for keeping, &c.
- 73 RAYNER, R. Hengrave, near Bury St. Edmunds, Prod.—Kessingland wheat, grown upon a light soil, at Hengrave, Suffolk. Chevalier barley, grown at Hengrave. Tick beans with white eyes, grown at Hengrave.
- 74 RAYNER, H. Laverstoke, Andover Ed. Hampshire, Prod.—Specimens of wheat produced by hybridisation, and of Hopetown and Piper's thickest wheat, from which the hybrids were obtained.
- 75 KENDALL, J. Treverlin, Truro, Cornwall.—Sheaf of white wheat, named: The giant straw wheat.
- 76 CODD, R. Wexford, Ireland, Manu.—Barley, grown in the county of Wexford. Malt, made from the same.
- 77 TAYLOR & SON, Bishop Stortford, Herts, Manu.—Varieties of malt: amber, coloured, white, and brown.
- 78 WELLSMAN, J. Moulton, near Newmarket, Manu.—Sample of pale malt, manufactured from Chevalier barley.
- 79 MAUND, B. F.L.S. Bromsgrove, Prod.—Specimens

of wheat, artificially hybridised, showing that its exterior form can be modified.

- 83 STRANGE, B. Banbury.—Stiff clay soil, &c. Sample of beans, growth 1850, as per statement annexed.
- 84 WAGANT, I. Gt. Bentley, near Colchester.—British grasses.
- 85 MILNE, W. Rhynie, Scotland, Inv.—One quarter of Scotch barley oats.
- 86 WALKER, W. Mossat, near Aberdeen, Prod.—Sample of Kildrummie oats.
- 88 COUSEN, S. Great Bentley, near Colchester, Prod.—White wheat, new variety; weight of imperial bushel 64 lbs. net.
- 90 FOX, J. J. Devizes, Prop.—Specimens of red straw-white, Essex wheat, and of Nursery, Lammas, and Talavera red wheat, grown in Wiltshire.
- 91 STRAVIS, R. Stamford, Prod.—Sample of wheat, Collyweston white.
- 92 CROUGHTON, W. P. Tenterden, Kent, Prod.—Hoary white wheat; produce, over five quarters per acre. Golden pod beans; produce, over four quarters six bushels per acre.
- 93 ASHLEY, J. Sandleford, near Newbury, Berks, Prod.—White trump wheat, grown on very poor soil; weight 67 lbs. per bushel.
- 94 FORDHAM, T. Snelsmore Hill East, near Newbury, Prod.—Samples of improved white wheat; weight 66 lbs. per bushel. Prolific beans; weight 70 lbs. per bushel.
- 99 IRWIN, ELIZABETH, Ballymore, Boyle, Roscommon, Prod.—Black barley, grown at Ballymore, in the county of Roscommon, Ireland, from African seed.
- 100 BEXLEY, Lord, Footscray, Kent, Prod.—Bushel of white chittim wheat.
- 101 MOSES, H. E. & M. 87 Tower Hill.—Fine sample of Australian wheat, weighing 64 lbs. per bushel, the produce of Adelaide, South Australia. Fresh preserved meats from the Camperdown establishments, Sydney, New South Wales, having undergone a voyage of 18,000 miles, and remaining in a perfectly fresh state.
- 102 GRISON, C. Pitlochry, Perth, Prod.—Samples of English barley, grown near Pitlochry, about 600 feet above the level of the sea. Hand spun and hand woven shepherd check plaid, composed of natural and dyed wool from black-faced Highland sheep.
- 108 GUILLERIE, A. F. 37 Castle St. Edinburgh, Prod.—Lentils cultivated at South Queensferry, near Edinburgh.
- 103 RADLER, W. J. Swindon, Wilts.—Agricultural chimney filter drain, P. Bentham, inventor. Draining tools, &c. Lawrance's propius crystal wheat, 66½ lbs. to the bushel.
- 104 GRIS & Co. Half-Moon St. Piccadilly, Imp. and Prod.—Dried grasses and seeds, wheat, barley, &c., and other seeds.
- 105 LAWSON & SONS, Edinburgh, Prop.—Vegetable products of Scotland, comprehending substances used for food, in the chemical arts, in medicine, in manufactures, and in house and ship building.
- 107 WRIGLEY, H. Antingham, near North Walsham, Manu.—Malt, as manufactured from barley grown by Rev. C. Cromer, of Beeston, near Cromer, Norfolk.
- 108 GENTILE, J. P. Harbertonford Works, near Totness, Devon, Manu.—Macaroni and Italian pastes. Chocolate. Vegeto-animal food; a compound of the most nutritious principles of meat and wheat, &c.
- 109 MORRIS, W. Yazor, near Hereford.—Mangold-wurtzell, grown upon the estate of Sir Robert Price, Bart., in Herefordshire.
- 110 WATT, G. Upper Balfour, Banchory, Scotland.—Sample of barley, grown after turnips, in a five-course rotation, with the ordinary farm-yard manure.
- 111 M'ARTHUR, J. 51 Grafton St. Dublin, Prop.—The

CLASS 4. *Vegetable and Animal Substances used in Manufactures.*

- 16 ENDERSON, H. J. 140 Praed St. Paddington, Prod.—Specimens of graining, &c.
- 20 NEWTON, C. Plough Bridge, Rotherhithe, Surrey, Manu.—Specimens to illustrate the patent desiccating process for seasoning of wood in a few weeks.
- 21 BETHELL, J. 8 Parliament St. Westminster, Inv. and Pat.—Wood, saturated with oil of tar. Fish; prepared for manure, by cresote oil.
- 21A SAMUEL, D. 71 Lebon St. West Ham, Essex, Inv. and Manu.—Picture frame of various English woods.
- 21B CROSS, S. 57. Bunnhill Row, Prop.—Collection of English woods, with their botanical names and some of their various uses.
- 22 CLASSON, J. Industrial Dépôt, Northumberland Buildings, Dublin.—Calenders, &c. made of bog-pew, bog-oak, and other fancy woods, the growth of Ireland. Specimens of Irish woods, peat and peat charcoal. Scouring powders.
- 23 BROTHERTON & Co. Hungerford Wharf, Imp. and Manu.—Rape seed and olive oil, and almond oil.
- 24 BARCLAY & Son, 170 Regent St. Manu.—Wax candles, night lights, &c.
- 25 WATSON, T. J. 43 Park St. Grosvenor Sq. Manu.—Olive oil, margarine and olrins. Linseed, poppy, nut, and seal oil. Acetate of lead.
- 26 BAWWEN, L. F. Grease Works, Wakefield, Manu.—Products of various patent processes used in extracting pure oils and greases from the refuse soap-suds of woollen, silk, and other manufactures.
- 27 ROSE, W. A. 66 Upper Thames St. Manu.—Palm-oil. White and liquid grease. Clarified machinery and burning oil. Varnishes. Samples of the paints supplied to Messrs. Fox, Henderson, and Co. for decorating the Exhibition Building.
- 28 HILLAS FLEMING, 5 Ordnance Row, Lewisham Rd. Inv.—Purified animal, vegetable, and fish oil.
- 29 MILLER, T. J. Dorset Wharf, Westminster, Imp. and Manu.—Spermaceti oil, from the South Seas. Spermaceti, rough, filtered, and refined.
- 30 EWEN, J. 17 Garlick Hill, City, Manu.—Clarified fats for pharmaceutical, culinary, and perfumery purposes.
- 31 DURANT, R. jun. 11 Copthall Court, Prop.—Samples of raw silk from Italy, China, India, Turkey, &c.
- 32 DODGE, Mrs. CATHERINE, Godalming, Surrey, Prod.—Silk produced by the silkworm, fed upon the leaves of the white mulberry at Godalming, Surrey, with specimens manufactured.
- 33 MARTIN, P. St. Peter's Port, Guernsey, Prod.—Raw silk, the produce of the island of Guernsey. Fecula, obtained from the *Arum maculatum*, a plant indigenous to Guernsey.
- 34 HANDS & LEAVESLEY, Coventry, Silk Dyers.—Specimens of dyed silks.
- 35 DOLAT & Co. Blahopsgate St. Without, Imp.—Sample of Italian raw silk.
- 36 HOWE, J. & Co. Coventry, Dyers.—Specimens of self-colours dyed from thrown silk: yellow gum; specimens of shade dyeing, &c.
- 37 JAQUEMOT, J. M. 36 Old Broad St. Imp.—Skeins of raw silk, the produce of a filature near Geneva, Switzerland.
- 38 BRESTON, J. S. 5 Swalles Cottages, Hammersmith, Inv.—Raw silk. Travelling cap, for protection to the head against concussion, &c.
- 40 SECTIONAL COMMITTEE ON VEGETABLE KINGDOM.—Samples of the ordinary flax and hemp of commerce: French, Flemish, Dutch, Friesland, Archangel, Riga, English, Egyptian, and New Zealand flax. Petersburg, Riga, American, Egyptian, India, Manila, Italian, and Jute hemp.
- 42 WRIGHT, L. W. & Co. 75 Cheapside, Inv. and Manu.—China grass and flax, raw, and manufactured. Wheat straw paper, &c.
- 43 DONLAN, M. J. J. 4 St. Peter's Sq. Hammersmith, Inv.—The seeds of flax and hemp chemically prepared. Samples of flax straw, and of the flax in different stages of preparation, &c. Samples of sail-cloth. Samples of the phorbium tenax, or New Zealand flax, in different stages of preparation, with specimens manufactured.
- 44 GILLMAN, E. Twickenham, Agent for Tao Nui, a New Zealand Chief.—Specimens of New Zealand woods, gums, and bark. Flax, and flax manufactures.
- 45 HIVES & ATKINSON, Leeds, Imp. and Manu.—Samples of flax, from the Courtrai and Lokeren districts, Belgium. Yellow flax, from Trimmingham, Norfolk. Blue flax, grown in Yorkshire. Chinese reed and China grass, raw and manufactured.
- 46 CATOR, G. A. Selby, Manu.—Flax grown in Yorkshire, raw and manufactured.
- 47 TURNER, T. Crewkerne, Prod.—Prepared flax, grown at Clapton, near Crewkerne. Flax seed.
- 48 LOVELACE, S. Crewkerne.—Flax, and its seed. Produce of seed, 17 bushels per acre.
- 51 ROBERTSON, H. 7 Salisbury St. Strand, Prod.—British vegetable fibre, for the manufacture of thread and paper.
- 55 MARSHALL & Co. Leeds, Imp. and Manu.—China grass and Courtrai flax, dressed and manufactured.
- 56 GATNEY & PASS, Manchester, Manu.—Reeds applied for weaving textile fabrics, manufactured by steam power.
- 56A BARRHAM, J. Kingston-on-Thames, Inv. and Manu.—Cocoa-nut fibre, natural and manufactured.
- 57 NIGHTINGALE, W. & C. 64 Wardour St. Soho, Imp. and Manu.—Bed feathers and down. Horse and other hair mattresses. Eider-down quilt.
- 58 MORRELL, H. 149 Fleet St. Manu.—Lead pencils and sealing wax, in the various stages of manufacture, with their materials.
- 59 HEAL & SONS, Tottenham Ct. Rd. Imp. &c.—Bed feathers, steamed and dressed. Russian down. Greenland eider-down. Dörset of the same, covered with embroidery. Eider-down quilt.
- 60 BLITH, HAMILTON, & BLITH, 59 Little Britain, London, and Liverpool, Manu.—Goose bed feathers, dressed and purified. English horse-hair raw, curled, and manufactured.
- 62 BARKER & Co. Breems Buildings, Chancery Lane, Inv. and Manu.—Mastic varnish for paintings. Essential oils. Hair dyes, essences, extracts, and perfumes.
- 63 MANNING, J. 18 Coles Ter. Barnsbury Rd. Islington.—Varnish, made without the aid of fire.
- 64 PENNEY, H. 4 York Pl. Baker St. Manu.—Colourless linseed oil and copal varnish.
- 65 SMITH, B. T. & Co. 12 Church St. Mile End, New Town, Manu.—Specimens of colours.
- 66 JEWELL & Co. Mincing Lane. Varieties of cochineal and lac dye.
- 68 SMITH & SON, 14 Corbet Court, Spitalfields.—Archil and cudbear lichen, &c. from which they are derived, and specimens of fabrics and leathers, dyed and printed with archil and cudbear.
- 70 COOVEY, C. 60 Back Lane, Dublin.—Samples of Irish manufacture in starch, indigo blues, vegetable gums, and blacking.
- 72 ROBINSON, J. & Co. Huddensfield, Inv. and Manu.—Archill paste and cudbear, patent process. Liquid archill for dyeing and printing. Samples of worsted yarn dyed in best cudbear.

CLASS 4. *Vegetable and Animal Substances used in Manufactures.*

74 BROC, G. 52 Nelson St. Liverpool, Inv.—Black varnish, for wood and iron-work, either for land or marine purposes. Blue, red, green, and stone-coloured composition. Spirit varnish.

75 LOMB & REYNOLDS, Hackney, Mann.—Safflower for dyeing, with specimens.

77 BUNCE, W. Sewardstone Mill, Woodford, Essex, Mann.—A series of substances and combinations used in the art of dyeing. Colours used in oil painting and printing, &c. with illustrative specimens.

77 MURRAY, Sir W. Bart. Dunnottar, Stonehaven, Prop.—Flank of Scotch fir, and section of Scotch elm.

78 MOORE, J. Littlecott Farm, Pewsey, Wilts, Prop.—Pure South-down ewe, stuffed, seven years old, and which never was shorn. Length of the wool, 25 inches; weight, 36 lbs.

80 HENDERSON, R. Wooler, Northumberland, Prod.—Fleeces of cheviot wool, grown at an elevation of 2,600 feet above sea level.

84 REZOV, J. G. Wivenhoe Park, near Colchester, Pro.—South-down sheep's wool.

85 MILLNER, R. Dublin, Prop.—Fleeces, long wool, grown in the counties Meath and Galway. Fleeces, long and short wool, mountain grown in the county Wicklow.

86 MANNING, G. Wedhampton, near Devizes, Mann.—Diamond teg matching wool, for combing; and diamond clothing wool, from South-down fleeces, from Wilts.

88 SANDS, W. & Co. Mortimer St. Leeds.—Specimens of "burry" wool in the original state, with specimens of the same cleaned by machinery.

91 PRELZER, C. A. 31 Abchurch Lane, Pat. and Mann.—English wool. Mohair and fine Australian wool, with samples combed, without oil.

94 IRVING VICK, G. Newton by Leadhills, Lanarkshire Prod.—Fleece of an aged ewe of the black faced Highland breed, unaid.

95 GOOD, FLOODMAN, & Co. Hull, Imp.—White Island wool.

97 LIPPERT, D. 66 Albion St. Leeds, Imp.—Fleeces of German wool.

98 KEENE, W. 42 Cornhill, Prop.—Geological specimens and forty-day maize from the Pyrenees.

100 DILLON, Viscount C. H. Prop.—Slabs of yew, oak, and fir, from trees found in the bogs.

101 ARMITAGE BROTHERS, Huddersfield, Imp. and Mann.—Wooded black elephant beavers, of Port Phillip wool. Albert check and Albert cloth, the two sides being different colours. "Exhibition" cloths, 56 inches wide, weighing only twelve ounces to the yard. Scoured Sydney skin wool, grown in N. S. Wales, and washed by J. T. Armitage & Co., of Sydney.

108 HORAN, H. Mann.—Prepared Greenland whalebone of different colours, for covering whip handles, walking sticks, and telescopes, with portions of black and white whalebone, as cut from the fin.

105 CLAUSER, P. 26 Gresham St. Inv. and Pat.—Samples of flax in all its stages, from straw to cloth, prepared by the exhibitor's process. Cloths produced from flax; flax cotton, flax cloth, flax silk, flax wool. Hemp and other

fibrous plants, prepared either in whole or part, as above. Circular hand-loom for weaving looped fabrics, elastic cloth, &c.

108 PUCKRIDGE, F. 5 and 6 Kingland Pl. Mann.—Gold-beater's skin, raw and prepared.

109 STAIGHT, T. 12 Wallbrook, Mann.—Turning and carving in ivory. Carved ivory chessmen, the Crusaders.—Reg. Carvings in pearl.

111 TRASKITT, W. North Crescent, Bedford Sq. Mann.—Card box of mother-o'-pearl, &c. Specimen of pierced work, for the cover of a drawing-room table book, &c.

114 MARKWICK, M. 33 King William St. Mann.—Patent epithems for medical, surgical, and veterinary purposes. "Impermeable spongio-piline," for applying heated fluids to the body, in lieu of poultices and fomentations. Water-dressing, and piline.

116 REA, E. 117 Wardour St. Mann.—Lac, lacquers, polish, varnishes, sealing wax, gums, varnishes, &c.

118 DAWSON & MORRIS, 96 Fenchurch St. Imp. and Mann.—Samples of isinglass.

119 SWINBURN, T. C. & G. & Co. Coggeshall, and 1 Gt. Tower St. London, Mann.—Refined isinglass, gelatines, and gums.

120 WATT & SON, Dumfries, Scotland, Mann.—Gins made from pieces of hides and skins, principally used by cabinet-makers and joiners.

121 ARBOTT & WRIGHT, Needham Market, Suffolk, Mann.—Crown gins, made from the hides and feet of cattle.

122 NEMO, T. & Co. Linlithgow, Scotland, Mann.—Specimens of gins, for the use of joiners and paper-makers, &c.; refined gelatine.

123 NUNN, W. H. 549 New Oxford St. Inv.—Registered placard holder. Liquid gins and water varnish, with specimens of application.

125 DUFAYVILLE, W. Broughton House, Islington.—Culinary articles: gelatine, &c.

126 CURRIE BROTHERS & Co. Coleman St.—Substances used for tanning leather.

127 FRENCH, R. 51 Crutched Friars, Imp. and Mann.—Cork, raw, and manufactured by hand.

128 HOLZ, E. 24 White Rock Pl. Hastings, Inv. and Mann.—Sussex mosses, collected from various places in East Sussex. Sea-weeds, zoophytes, and corallines, from Hastings and St. Leonards, with descriptions of their uses.

128a REID, J. 16 Oxford St. Prop.—Thirty-five specimens of sea-weed, collected off the south coast by Miss Franklyn.

128A ROCK, MARY, 6 Stafford Pl. Hastings.—Pebbles and grasses from Hastings.

129 SHADBOLE, G. 3 Lime St. Sq. Inv.—Sphero-annular condenser—for condensing light on transparent objects, under examination of the microscope.

131 GROVES, N. 56 Watling St. Dublin, Mann.—Parchment and glue, Irish manufacture.

133 BREADALBAINE, Marquis of, Prod.—Specimens of woollen yarn, made from the wool of the bison.

134 BREADALBAINE, Marquis of.—Specimens of woods grown in Perthshire and Argyllshire, and of veneer from the Scotch fir, dug from a peat bog in Glenorchy, Argyllshire.

SECTION II.—MACHINERY.

CLASS 5. *Machines for direct use, including Carriages, Railway and Marine Mechanism.*

- 1 **ATHERTON, C.** Dockyard, Devonport, Inv.—Pair of marine steam-engines of 25-horse power, planned with a view to apply the sway-beam principle of construction to driving the submerged screw propeller.
- 2 **POWELL, E. J.** 11 Hartland Ter. Camden Town, Des.—Drawings of the various forms of patent screw propellers.
- 3 **POWELL, —.**
- 3 **SMITH, Captain.**—Three screw propellers.
- 4 **STOTHEBT, SLAUGHTER, & Co.** Bristol, Inv. and Mann.—Marine engine, intended to meet the assumed requirements of machinery for propulsion by screw, in which it is imperative to drive the propeller shaft at a speed unsuited to the speed of the vacuum apparatus.
- 5 **TAPLIN, R.** 7 Upper Woodland Ter. Woolwich, Inv.—Model of a telescope funnel or chimney for marine boilers.
- 6 **WATT, JAMES, & Co.** 18 London St. London, and Soho, Birmingham, Des. and Mann.—Marine-engines, of the collective power of 700 horses, designed for driving the screw propeller by direct action. Models made in 1785, showing the early application of steam power to locomotion, &c.
- 8 **PENN & SON,** Greenwich, Mann.—Pair of marine oscillating engines, and of patent marine engines on the trunk principle, for the driving of screw-propellers direct. Working models of marine oscillating engines, and of patent trunk engines. An auxiliary or "donkey" engine.
- 10 **FOSBICK & HACKWORTH,** Stockton-on-Tees, Mann. and Inv.—High-pressure steam-engine boiler, with increased size of the fire tube. Locomotive and carriage, buffer and draw spring.
- 11 **HAWTHORN & Co.** Leith, Mann.—High-pressure oscillating steam-engine, of simple construction, without slide, valves, eccentrics, or gearing.
- 12 **EDWARDS, T.** Islington Foundry, Birmingham, Mann.—Patent five-horse power, direct action, high-pressure steam-engine.
- 13 **HOWARD, —.**
- 14 **TODD, C.** Leeds, Inv. and Des.—Model of a girder, or vertebral arch, originally invented and designed for a bridge to cross the river Mersey, at Runcorn Gap, in one span of 1,263 feet.
- 16 **DAVIS, J. & G.** Albion Foundry, Tipton, Staffordshire, Inv.—Pair of patent elliptic revolving steam-engines. Steam regulating self-acting damper. Feed nozzle, valves, patent revolving blowing apparatus, &c.
- 20 **JOYCE, W.** Greenwich, Mann.—Pendulous steam-engine.
- 22 **McNAUGHT, W.** 26 Robertson St. Glasgow, Inv.—Patent double cylinder steam-engine. A modification of Woolf's double cylinder engine. Coak's patent bobbin-making machine, entirely self-acting. Montgomery's self-acting break for railway carriages.
- 24 **LYNCH & INGLIS,** Garratt Rd. Manchester, Mann. and Des.—One-horse portable steam engine, for driving agricultural or other machinery.
- 26 **FAIRBAIRN, W. & SONS,** Manchester, Inv. and Mann.—Patent tubular crana. Patent rivetting machine. Locomotive tank engine, for light passenger traffic. Specimens of corn-mill work.
- 28 **MAGINTOSH, J.** 5 Gray's Inn Sq. Inv.—Improved rotatory or revolving steam-pumps or engines for agricultural and other mills, marine engines, and locomotives. Patented.
- 34 **BUTTERLEY C.**
- 35 **CARRETT, W. E.** 13 Rockingham St. Leeds, Inv. and Pat.—A steam-pump, combining a high-pressure engine, and an improved suction and force pump. A portable high-pressure boiler.
- 36 **DE FONTAINE MORRAU,** 4 South St. Finsbury, Imp.—Vidie's patent railway warmer, or station indicator. Aneroid barometer; aneroid gauge. L. Vidie inventor. Patented. Apparatus for extracting ores from mines and coal-pit. Patented. Elevator syphon apparatus applicable as a motive power.
- 36A **WANT & VERNUN,** Enfield Lock, Enfield, Inv.—Steam-engine, six-horse power, simple in construction, and stated to be economical in working. Patented.
- 38 **MAUDSLAY, SONS, & FIELD,** Lambeth, Des. and Mann.—Coining-press, acting by an eccentric instead of by a screw or lever, and driven by a small double cylinder direct-acting high-pressure steam engine. Connecting-rod adapted to marine steam engines, of the collective power of 800 horses. Models of patent marine steam engines, for driving screw propellers, &c. Model of a patent gun-metal screw propeller.
- 39 **CLAYTON, SHUTTLEWORTH, & Co.** Lincoln, Mann.—Portable steam-engine, starting lever, safety valve, gauge cocks, whistles, &c. all within reach of the driver. Registered steam-engine, with oscillating cylinder attached to an upright boiler. Pair of portable registered French mill-stones, fixed in a metal cylindrical frame.
- 40 **POPE & SON,** 81 Edgware Rd. and Lisson Grove, Mann. and Des.—Improved oscillating cylinder steam-engine.
- 42 **DONKIN, T. & Co.** Bermondsey, Mann. and part Inv.—Patent disc water-mill, disc engine, and disc pump.
- 44 **ARMSTRONG, W. G.** Newcastle-upon-Tyne.—Model hydraulic crane, steam-engine, accumulator, corn-lift, and hydraulic machine for unshipping coals.
- 45 **LLOYD, E.** Glyndwrdu, near Corwen, Wales, Inv.—Patent steam-engine, on the double cylinder expansion principle.
- 46 **SIEMENS, C. W.** Birmingham, Inv.—Working model of a patent chronometric governor. Model of a variable expansion valve. Model of a surface condenser. Water-meter, in action, working under pressure. Regenerative condenser. Working model of a regenerative evaporator.
- 48 **BUNNETT, J. & Co.** 26 Lombard St. City, and Deptford, Kent, Inv. Pat. and Mann.—Patent concentric reciprocating steam-engine for high or low pressure.
- 52 **RENNIE, G. & J.** Holland St. Blackfriars.—Model of a section of H. M. steamers Samson and Bull Dog, with engines on the direct action principle. Model of marine engines with 4 cylinders, of the joint power of 800 horses, for transatlantic navigation. Model of patent paddle-wheel, with modifications for deep sea navigation.

CLASS 5. *Machines for direct use, including Carriages, Railway and Marine Mechanism.*

- 52A **REYNOLDS, G.** and Sir J. Holland St. Mann. and Licenses.—Model of Bishop's patent disc engine, fitted as an auxiliary power to drive a screw propeller.
- 53 **GREEN, E.** Phoenix Foundry, Wakefield, Inv. and Mann.—Patent fuel economiser, applicable to steam-boilers. Warm-air apparatus.
- 54 **WATKINS & HILL, 5** Charing Cross, Mann.—Sectional models of steam engines. Improved mercurial steam gauge. Electrical machine. Improved air pump. Delicate galvanometer. Rifle, with telescope.
- 57 **FITZ MAURICE, The Hon. W. E.** Hamilton Lodge, Prince's Gate, Inv.—Patent rotatory steam engine. A model steam engine, illustrating a new method of converting rectilinear into rotatory motion, by the Rev. J. Booth. Patented. Constructed by J. Aspinall, 261 High Holborn.
- 58 **WHITELAW, J.** Johnstone, Renfrewshire, Scotland, Inv.—Models, &c. Improved steam-engine, for driving the screw-propeller, &c. Centrifugal atmospheric churn and pump.
- 60 **WILDING, W. H.** 2 Chesterfield St. King's Cross, Inv.—Patent steam-engine, exhibiting a new method of converting reciprocating rectilinear motion into rotatory motion. Model of a patent submerged paddle wheel.
- 64 **DODDS & SON, Rotherham, Inv. and Mann.**—Four-horse portable steam-engine, for thrashing, &c. Model of locomotive engine, without boiler, fitted with Dodds' patent wedge motion. Jessop's patent steered tyre-bar and railway bar. Model railway bar straightening press, on truck.
- 65 **SORMON & Co.** New North Rd. Hoxton, Mann.—Jukes's patent smoke-consuming furnace.
- 66 **REASON, A. F.** Birmingham, Imp. and Inv.—Working model of a steam-engine, with three kinds of side valves.
- 76 **CRADDOCK, T.** Ranelagh Works, Pimlico, Inv. and Mann.—Patent high-pressure, expansive, and condensing steam-engine, with tubular boiler and regulating damper.
- 78 **FERGUSON, D.** Kilkenny, Ireland, Inv.—Registered boat propeller and water-wheel.
- 82 **MORRELL, G.** 149 Fleet St. Inv.—Iron shutments and tension rods on piers. Rotary engine.
- 86 **CLOWES, T.** Aberdeen, Inv. and Mann.—Registered rotatory pump, that will act either as a common lift or force-pump.
- 88 **JERKINS, G.** 4 Nassau St. Soho, Inv. and Pat.—Hydro-pneumatic engine.
- 90 **READ, S. K.** 50 Paradise St. Inv. and Mann.—Domestic pump and fire-engine.
- 90A **KEED, J. H.** Westbourne Lodge, Harrow Rd. Inv.—New patent boat propeller.
- 92 **PHILLIPS, W. H.** 16 York Ter. Camberwell New Rd. Inv. and Pat.—Patent portable fire annihilator, for extinguishing fire by gases and vapour.
- 94 **HILL, W.** Blackheath Rd. Greenwich, Inv. and Mann.—Improved fine-boiler and furnace, for hot-water apparatus. Registered.
- 98 **BEKKE, G.** Galloway House, Bath, Mann.—Archimedean screw for raising fluids.
- 98 **BILLINGTON, W.** 31 Regent St. Prop.—Patent improved water-meter.
- 100 **ESKINE, D.** Clerk St. Edinburgh, Inv. and Mann.—New self-reversing and other beam engines for planing machines. Silver locomotive and railway. Circulating steam boiler for lectures. New hydraulic locomotive. Horizontal water wheel. Two new life-boats, &c.
- 102 **POTTS, J.** Stockton-on-Tees, Mann.—Working model of a high-pressure steam-engine, with glass cylinder and steam-chest to show the machinery.
- 104 **SHARP, W. D.** Swindon, Wilts, Inv.—Steam-engine, with improved valves, valve-gear, &c.
- 106 **BECKETT, E. G.** 3 Joynton St. Strangeways, Manchester, Mann.—High-pressure steam engine, suitable where small power is required.
- 108 **WHEELER, R.** 5 Stracey St. Stopney, near Commercial Rd. East, Maker.—Model of oscillating engines of 300 horse-power, with eccentric paddle-wheels.
- 112 **PERRY, H.** Bromley Bow, Mann.—Model of a condensing engine and boiler.
- 116 **LINTON, J.** Selby, Yorkshire, Inv. and Mann.—Improved locomotive, in miniature, working high-pressure steam expansively, with power to cut off the steam at any part of the stroke, and finally condensing the steam.
- 118 **FITT, W.** Ponder's End, Des.—Model of convertible wind, water, or steam power, of improved construction.
- 122 **HURRY, H. C.** 81 King St. Manchester, Inv.—Model, showing patent improvements in lubricating.
- 124 **GALLOWAY, W. & J.** Manchester, Mann.—Patent lifting jacks. Patent steam-engine boilers, for generating steam rapidly and economically.
- 126 **TENNETT, R.** 2 Homer St. Lambeth, Inv.—Feathering paddle-wheel, and feathering windmill, constructed on an improved principle.
- 130 **JUDON, T.** Hampstead, Inv. and Mann.—Crank for steam-engines and turret clocks, gas-soot consumer, self-adjusting spirit level, &c.
- 131 **BICKLE, W.** 18 Reading St. Swindon, Des. and Mann.—Working model of a pair of non-condensing steam-engines, standing within the compass of a shilling, and weighing three drachms.
- 132 **ECCLEHALL, T.** 2 Ct. Roston St. North, Birmingham, Inv.—Submarine propeller for steam vessels. Atmospheric propeller for navigation.
- 134 **COWPER, R. F.R.S.** 9 Kensington Park Rd. Notting Hill, Inv. and Pat.—Model by T. B. Winter, Esq. student in King's College, London, of the printing-machine now in general use. The Catalogue of the Exhibition is printed by these machines. Cheap educational models.
- 136 **STEVENS, J. L.** 3 Cophall Buildings, Inv.—Models of surface-propeller water-wheel, and omnibus ventilator. Provisionally registered. Robinson's safety-plug for boats, &c. Registered. Improvements in umbrellas, fire-tongs, &c. Provisionally registered.
- 138 **RICHARDS, T.** 2 Kidd St. Woolwich, Mann. and Des.—Model apparatus for connecting engines and paddle wheels. Models of propellers.
- 140 **KRASLEY, W. H.** 7 Smithfield Bars, Inv.—Archimedean screw for hand propulsion, creating no swell.
- 142 **HODGSON, R.** Ewal, near Epsom, Inv.—Patent parabolic submarine propeller, for steam-ships.
- 148 **PATERSON, T.** 15 Rupert St. Haymarket, Inv.—Model of a rotatory steam-engine.
- 150 **FRUICK LINTON, R. E.** Inv. and Prop.—Model of new propeller for screw vessels.
- 151 **MARRIOTT, W.** 89 Fleet St. Mann.—Platform weighing machine, showing the weights of various European countries, dial weighing machine, domestic telegraph, &c.
- 200 **TUCK, J. H.** 23 Pall Mall, Mann.—Pneumatic governor for regulating the speed of steam-engines. Laviere's patent.
- 300 **LLOYD, G.** 70 Gt. Guildford St. Southwark, Inv. and Mann.—Centrifugal disc blowing machine.
- 304 **KENNEDY, M.** 3 George St. Camden Town, Des. and Mann.—Improved blast-fan, for forges, furnaces, ventilating and fumigating.
- 308 **HART, J.** Seymour Pl. Bryanston Sq. Inv. and Mann.—Portable brick and tile machines. Steam engine. Drilling machine. Portable horizontal brickmill.
- 326 **RADCLIFFE, A.** 67 St. John St. Rd. Inv. and Mann.—Model of a steam trigger. Improved shifting quarry-band,

CLASS 5. *Machines for direct use, including Carriages, Railway and Marine Mechanism.*

- Glassiers' diamonds and glass-cutting machines. Artists' diamond etching points.
- 848 SMITH, B. Bron Seiont, Carnarvon, Wales, Inv.—Models of a double line of railway (of four-rail mixed gauge), with diagrams of railway tunnels and carriages.
- 853 PARRY, A. 455 Oxford St. Inv. and Pat.—Compressed air-engine, for locomotive and stationary purposes.
- 400 FAIRBAIRN,
- 401 MERRYWEATHER, M. 63 Long Acre, Mann.—Merryweather's powerful and other engines. Garden engines. Leather hose. Firemen's helmets, tools, &c. Fire escapes, &c.
- 402 SWALDERS, W. jun. Bank Pl. Norwich, Des. and Mann.—Patent fountain pumps, engines, and hydraulic work.
- 403 STOTHART, RATNO, & PITT, Newark Foundry, Bath, Imp. and Mann.—Improved iron cranes for a dock or wharf.
- 403 STOTHART, H. Bath, Inv.—Model of a plan for removing the sewage of London without disturbing the present arrangement of drains.
- 404 FOX, HENDERSON, & Co. Derrick.—Crane.
- 405 FOURDRIER, E. N. 38 Barclay St. Sunderland, Inv.—Patent safety apparatus, for preventing loss of life and property when a rope or chain breaks in shafts of mines and collieries.
- 406 EASTON & AMOS, Grove, Southwark, Mann. &c.—Improved patent hydraulic ram.
- 406 HADDLEBY, W. 29 Alfred St. Islington, Inv. and Mann.—Farmers' fire-engines and force-pump.
- 410 SEARD & MASON (late TILLEY & Co.), 245 Blackfriars Rd. Mann.—Fire engines, fire pumps, garden engines, patent hose and suction pipes, fire cocks, series of jet pipes, &c.
- 411 JAMES & Co.—Crane.
- 412 THE BANK QUAY FOUNDRY Co. Warrington, Mann.—Large hydraulic press, used in raising the Britannia tubular bridge.
- 414 ROTOU, T. D. 2 Furnival's Inn, Pat. Machine for separating molasses from the crystals of sugar by centrifugal agency.
- 414 FINNELL,
- 415 GREATORKE, D. 9 Desborough Ter. Harrow Rd. Paddington, Inv. and Mann.—Hoisting machine.
- 416 BELLHOUSE, E. T. & Co. Eagle Foundry, Manchester, Inv.—Hydraulic press for packing cotton, &c. Fire-proof hoist for mills and warehouses. Iron model cottage. Brick-pressing machine.
- 417 FAIRBAIRN,
- 418 DEVON GT. CONSOL. COPPER MINING Co.—Models of two water-wheels of 140-horse power each, erected at the mines, for pumping water.
- 419 BRADON, W. 1 Crescent, Taunton or Otterhead, Churchstanton, Honiton, Inv.—New patent water-shoots, for effectual security against drip. New patent barge covering. Patent water-shoot coping.
- 420 APFOLD, J. G. 23 Wilson St. Finsbury, Inv.—Centrifugal pump for draining marshes for a tide pump, without valves.
- 421 BIESSEMER,
- 422 STROCKER, S. and G. 4 Arthur St. New Oxford St. Mann.—Beer machines, counters, spirit tap, lift pumps, &c.
- 423 BLACK, J. 46 Commercial Rd. Lambeth, Inv.—Polished slate cistern, with an improved patent rapid purifier, calculated to produce 3,000 gallons per day of pure soft water, &c.
- 424 WARNER & SONS, 8 Crescent, Jewin St. Mann.—Overshot water-wheel, hydraulic machines, pumps, fire, garden, and beer engines, ticket register, ventilating glass, weights and measures, a church bell, hand-bells, &c.
- 425 CLARK, G. D. 12 London St. Greenwich, Inventor's Agent.—Water filter, with self-acting regulator or water-meter.
- 426 DRAWE,
- 427 TAMER,
- 428 COLLINGS & Co. 65 Bridge Rd. Lambeth, Inv. and Mann.—Portable high-pressure steam-engine. Patent horizontal sugar mill. Spherical gate and rising hinges and fastenings. Patent axle-trees.
- 428 FELL, R. 33 Nicholas Lane, Inv.—Sea-water regenerator. Patent self-cleansing filter. New motive power, by compressed air, &c.
- 424 M'NICOLL & YEKSON, Liverpool, Prop.—Patent steam travelling crane for railways, for loading and discharging the cargoes of vessels, &c.
- 426 TEBAY, J. Aldine Chambers, Paternoster Row, Inv. and Mann.—Patent water-meter.
- 440 SIEBE,
- 444 FLETCHER,
- 446 TACK,
- 448 CHRAVIN, S. Spalding, Inv.—Floating filtering pump. Specimens of metallic paste or cement, for preventing damp in walls, and keeping out wet.
- 450 NEVILL, J. P. 8 Crutched Friars, Inv.—Machine for discharging loose cargo.
- 452 SELFS, H. Kingston, Surrey, Mann. and Inv.—Common pump with reserve-chamber. Model of a configuration. Common pump on an improved principle; the syphon illustrated.
- 460 FREEMAN ROE
- 462 FREEMAN, ROE, & HANSON, 70 Strand, Mann.—Hydraulic ram. Fountain basins of iron, for pleasure grounds.
- 470 ASHBY, J. Croydon Common, Inv.—Screw friction clutch, for machinery in motion.
- 506 GT. WESTERN RAILWAY Co.—Locomotive engine and tender, constructed at the Company's works at Swindon. One of the ordinary class of engines constructed by this Company for passenger traffic, since 1847. It is capable of taking a passenger-train, of 120 tons, at an average speed of 60 miles per hour, upon easy gradients. The evaporation of the boiler, when in full work, is equal to 1000 horse power, of 33,000 lbs. per horse—the effective power as measured by a dynamometer is equal to 743 horse power. The weight of the engine, empty, is 31 tons; coke and water, 4 tons—engine in working order, 35 tons. Tender empty, 9 tons; water, 1,600 gallons, 7 tons 3 cwt.; coke, 1 ton 10 cwt.—total 17 tons 13 cwt. The heating surfaces are, fire-box 156 feet; 305 tubes 1,759 feet. Diameter of cylinder, 18 inches; length of stroke, 24 inches; diameter driving-wheel, 8 feet; maximum pressure of steam, 120 lbs. The actual consumption of fuel in practice, with an average load of 90 tons, and an average speed of 29 miles, including stoppages (ordinary mail train), has averaged 20·8 lbs. of coals per mile.
- 507 LEE, J. 103 Long Acre, Inv. and Pat.—Patent wheels and axles. Breaks and axle-box.
- 508 CRAMPTON, T. R. South Eastern Railway Co. 15 Buckingham St. Adelphi.—London and Paris express locomotive engine the "Folkstone," Crampton's patent.
- 509 ENGLAND, G. Hatcham Iron Works, New Cross, Inv. and Mann.—Patent improved screw jack for railways, &c. Improved locomotive engine for light traffic.
- 510 ADAMS, W. B. 1 Adam St. Adelphi, Pat. and Des.—Light locomotive engine on four wheels. Double railway carriage for first and second-class passengers. Patent spring, grease-tight axle-box, &c.
- 512 LONDON AND NORTH WESTERN RAILWAY Co. STEWART, C. Knuston Sq. Station, Secretary.—Express locomotive engine, "Liverpool," Crampton's patent. The nar-

CLASS 5. *Machines for direct use, including Carriages, Railway and Marine Mechanism.*

row-gauge express engine, the "Cornwall," designed by Mr. Trevithick.

523 FAIRBAIRN.

526 WILSON, E. B. & Co. 2 Post's Corner, Westminster, Mann.—Locomotive double boiler tank engine.

530 WILLIAMS, C. C. Glasshouse Yd. Goswell St. Inv. and Mann.—Railway carriage, made of East India Moulmein teak, unpainted.

532 HENSON, H. H. Pinner, near Watford, Inv.—Patent improved covered wagon, for the conveyance of merchandise by railway, fire and water proof.

534 KIRSON, THOMPSON, & HEWITSON, Leeds, Mann.—Locomotive tank engine, length of stroke 22 in.; diameter of cylinder 11 in., of driving wheel 6 ft., of fore and hind wheels 3 ft. 8 in.

536 HAWTHORN, R. & W. Newcastle-upon-Tyne, Mann.—First-class patent passenger locomotive engine.

539 MCCORMY.

541 HADDAD, J. C. 29 Bloomsbury Sq. Inv.—Patent railway carriage, with papier-maché panels. Patent railway wheels, with wooden wedges and wrought-iron nave. Patent rhomboidal bricks.

543 PATENT SHAFY and ARLSTERS Co. Brunswick Iron Works, Wednesbury, Birmingham, Mann.—Patent railway carriage and other axles, with illustrations of the processes of manufacture. Patent link for suspension bridges, rolled into form at one heat.

552 DE BANGOR, C. 9 Dowgate Hill, Inv. and Mann.—Specimens of patent vulcanized India-rubber buffers for railway carriages. Patent station buffer.

600 YOUNG, C. & Co. Edinburgh, Inv. and Mann.—Simultaneous-acting level-crossing gates for railways.

601 BARLOW, P. W. Blackheath, Inv.—Model of cast-iron permanent way. Sleepers for points and crossings for railways.

602 BARLOW, W. H. Derby, Inv. and Pat.—Wrought-iron permanent way for railways.

609 STREVENS & SON, Darlington Works, Southwark Bridge Rd. Mann. and Pat.—Model of railway junction semaphore signals and double station signal.

614 HOBY, J. W. Renfrew, near Glasgow, Inv. and Mann.—Patent system of permanent way for railways, &c.

615 GREAVES, H. 4 Ordsall Ter. Manchester, Inv.—Iron surface-packed railway sleepers, with rails.

616 SAMUEL, J. C.E. 3 Duke St. Adelphi, Inv. and Pat.—Patent cast-iron timber-bedded wedge-trough permanent way, for railways. Patent fish-chair, or improved joint-chair. Patent improved donkey-engine. Sectional model of double cylinder continuous expansion steam-engine.

618 DUNN, T. Windsor Bridge, near Manchester, Inv. and Mann.—Apparatus for removing carriages from one line of rails to another. Traversing machine, &c. Drawings of machinery.

624 CUMBER, R. & SON, St. George's Foundry, Manchester, Pat. and Mann.—Patent traversing machine. Dunn's patent turn-table.

628 CORRY, J. Great George St.—Permanent way of the Great Northern Railway, with Ransomes and May's patent chairs, trunnels, and wedges.

636 THOMAS-SCOTT, G. B. & Co. Wolverhampton, Inv. and Mann.—Specimens of Brigg's patent compound railway axle. Piece of the pile from which the axle is made. Patent axle charcoal tire for railway wheels and rails.

637 WOODRIZZ, G. & Co. Warrington, Mann.—Railway axle-Forge, hammered, showing process of manufacture; bent cold, and having borne a pressure of 84 tons. Railway wheel-tire. Patent railway axle-box.

640 RANSOMES & MAY, Ipswich, Mann.—Barlow and Head's railway turn-table. Wild's railway switch. Bar-

low's iron sleeper. Registered water crane. Patent compressed ship trunnels. Leggatt's Queen printing press. Chilled cast-iron pedestal, or axle bearing.

642 PARSONS, P. M. C.E. 6 Robert St. Adelphi, Des. and Pat.—Patent switches, and crossing for railways. Normanville's patent axle-box. Patent machine for dressing mill-stones.

643 RAINEY, W. Birmingham, Inv.—An improved railway switch. Improved joint chair. Improved intermediate chair.

644 KEENE, R. W. Falkirk Iron Works, Scotland, and 67 Upper Thames St. London, Mann.—Self-acting kitchen and cottage range. Register grates. Various ornamental castings.

646 BERSHOFT,

650 LEADEWATER, J. G. Gordon St. Glasgow.—Patent canal-lift, or hydro-pneumatic elevator; a substitute for canal-locks, slip-docks, &c. Railway turn-table, or weighing-machine. Swivel bridge elevator, &c.

651 RICHARDSON, R. 39 Moorgate St. Inv. and Pat.—Patent fish joint for rails. Iron fishing pieces.

652 GOSWERTS, L. Kennington Oval, Inv.—Railway trains constructed to prevent collision. Square carriage wheels, termed *scapers*, to advance by steps and without jolting.

654 CUNNINGHAM & CARTER, Addison Rd. Kensington and Sydenham, Inv. and Pat.—Model of new railway and carriages.

654 CARTER, C. R. 129 St. Alban's Pl. Edgware Road, Inv.—Atmospheric railway with improved vacuum.

655 HARLOW & YOUNG, Paradise St. Rotherhithe, Inv. and Pat.—Patent atmospheric railway, with metal valves and discs.

656 JONES, T. M. Southampton Chambers, 53 Chancery Lane, Inv.—Model of a railway train and breaks.

659 CRUTWELL & CO.

660 BOWDELL, J. 54 Threadneedle St. Inv. and Mann.—Mode of facilitating the draught of heavily-laden carriages. New method of joining iron joists and rafters to wood, &c. Fire-proof door. Method of casting iron ships with wood, without bolts or rivets, &c. New method of framing the sides of iron ships.

661 STANTON, R. 73 Shoe Lane, Inv. and Mann.—Electro-magnetic engine. Locomotive steam engine.

663 LONG, C. A. 1 King St. Portman Sq. Inv.—Railway signal, worked by the agency of electricity; intended to obviate the danger of one train overtaking another.

665 BANK & CHAMBERS, German St. Manchester, Mann.—Railway carriage wheel, upon Banks' patent principle of inserting steel segments in that part of the tire which is most exposed to friction.

666 O'LEARY, J. Jun. The Grove, Hackney, Inv.—Railway signal, for instant communication between the guards, passengers, and engine driver.

670 LIPTON, F. 233 Strand, Inv. and Pat.—A contrivance for preventing vibrations of iron railway wheel, and thus causing it to run without noise.

670 LIPTON, F. 233 Strand, Inv. and Mann.—Portable fountains, for drawing-room tables, conservatories, &c.

672 EASTWOOD & PROSE, Morledge Iron Works, Derby, Mann.—Iron wheels, and rolled and bar iron from which they are made.

674 DICKER, J. 9 Clarence Ter. Rotherfield St. Islington, Inv.—Apparatus for transferring mail-bags, &c. on railways.

681 TAYLOR, J. A. Colchester, Inv.—Improved application of the whistle to locomotive engines, and proposed application thereof to steam-boats.

682 JACKSON, P. R. Salford Rolling Mills, Manchester

CLASS 5. *Machines for direct use, including Carriages, Railway and Marine Mechanism.*

- 804 BASKCOMB, G. H. Chislehurst, Des.—Model carriage, with four wheels: indicates the distance of ground it travels over. Model curricule, or single-horse dog-cart. Improved registered sporting trap, &c.
- 805 BASSON, J. 343 Strand, Inv.—Model of improved public conveyance.
- 806 BLACK, H. & Co. 1 Berners St. Mann.—A spheroid-back Brougham.
- 809 BOOKER, E. & SON, 13 & 14 Mount St. Grosvenor Sq. Des. and Mann.—Improved "sociable," forming an open or close carriage at pleasure.
- 810 BEANT & SON, J. Duke St. Stamford St. Lambeth, Inv. and Mann.—New application of springs, and machine for weighing coals for carvans or waggons.
- 811 BRUGH, G. & Co. 45 Wigmore St. Cavendish Sq. Des. and Mann.—Town-travelling chariot and mail phaeton.
- 812 BROWN, MARSHALL, & Co. Birmingham, Mann.—Improved safety cap, Aitken's patent iron suspension wheels. New light cab phaeton. Aitken's patent cart wheel, with part of axle.
- 813 BROWN, OWEN, & Co. Lichfield St. Birmingham.—Park phaeton, of light construction.
- 814 BROWN, W. 39 Grafton St. Dublin, Inv.—Irish jaunting cars, common and improved.
- 816 COOK, HOWLEY, & Co. King St. Regent St. Mann.—Patent Brougham, and patent park phaeton, with inverted double C springs, &c. Models of a patent cabriolet to carry five persons, and of an omnibus divided into compartments, by J. A. Franklinski.
- 818 CORNICK & SON, 30 and 31 Gt. Queen St. Lincoln's Inn, Mann.—Registered carriage.
- 820 COOPER & SON, Oxford, Inv. and Mann.—Light two-wheeled sporting carriage, adapted to carry two or four persons.
- 824 CROALL, W. Jun. & Co. Greenside Pl. Edinburgh, Des. and Builders.—Oriental demi-cabriolet, hung on a new principle.
- 826 CROSSKILL, E. Vauxhall Wheel Works, Liverpool.—Improved patent wheels. Liverpool town float, lorrie, and coal cart.
- 828 DAVIES, D. 15 Wigmore St. Inv.—Basterna Brougham and other improved carriages. Model of improved patent railway-carriage break. New single wheel revolving carriage, &c. Patented Carriage, with automatic steps, &c. New carriage, with dome roof. Basterna Brougham, light summer carriage, for hot climates, with patent canopy, &c. Improved railway-carriage break, &c.
- 830 DAVSON, F. W. 19 York St. North Polygon, Bath, Inv. and Mann.—Newly-invented wheel chair for the use of invalids, and pedemotive, or self-propelling carriage.
- 832 DEARLE & Co. 3 Pancras Lane, Inv. and Mann.—Patent conical arms and axletrees.
- 844 DUFFIELD, J. E. & Co. 114 Aldersgate St. Mann.—Highly-finished light phaeton and harness. Best quilted Somerset saddle and Weymouth bridle.
- 845 FULLER, G. & T. Bath, Mann.—Landan carriage, with improvements.
- 848 GRANT, S. 19 Euston Pl. Euston Sq. Inv.—Model of a patent street watering-cart, with fire-engine combined.
- 848 GIBSON, T. 8 and 9 Wesman St. Birmingham, Mann.—Railway bearing-spring. Registered elliptic spring with India-rubber bearings. Grasshopper spring with scroll irons. Elliptic spring. Patent mail and Collinge's axletree. Coach frommongery.
- 856 GREVILLE, J. 36 Mary St. Dublin, Mann.—Irish jaunting car.
- 856 GRIDDALE, J. E. 289 Strand, Inv.—Working model of spring carriage wheel.
- 860 HADLEY, J. London Rd. Worcester, Inv. and Mann.—Basterna Clarence and Brougham, with furniture of Worcester ohins.
- 862 HALLMARK, ALDERBERT, & HALLMARK, 57 and 58 Long Acre, Inv. and Mann.—Under-spring step-piece berouche. New Park phaeton. Drawings of a state carriage. Demi-state carriage. State railway carriage, &c.
- 864 HARDING, W. & Co. 68 Long Acre, Des. and Mann.—Specimens of carriage laces, linings, and carpets, showing the progressive improvements in their manufacture; also of tassels, bullions, fringes, and other upholstery ornaments.
- 866 HEATH, J. 4 Broad St. Bath, Inv. and Mann.—Light open park wheel chair, with glass panels, &c. Newly-invented reclining and elevating spinal bed wheel chair, &c.
- 872 HOLMES, HERBERT, & ARTHUR, Derby, Mann.—Light park phaeton. Dog-cart, or sporting-buggy. Set of buggy harness. Winter shoes for horses. Drawings of modern carriage.
- 874 HOOVER, G. 28 Haymarket, Inv. Des. and Mann.—Improved Brougham carriage. Berouche landan. Designs of new and improved forms of carriages. Working model of a Brougham carriage, by W. Hoover, jun.
- 876 HOOVER, S. & F.
- 878 HOFFER,
- 880 HORNE,
- 882 HUTTLY, F. 10 Lamb's Conduit St. Mann.—Coach lace patterns, silk velum, cut on terry lace, drawn on terry, and relief, cut on terry. Figured silk-ground lace. Registered design.
- 884 HUTTON,
- 886 JIEN, J. 12 London St. Fitzroy Sq. Des. and Mann.—Model for an under-spring state carriage.
- 888 JORDAN, W. H. Cumberland Basin, Clifton, near Bristol, Des. and Mann.—Invalid three-wheel chair, with reclining apparatus, &c.
- 892 KEPT, E. Saffron Walden, Essex, Des. and Mann.—Carriage with low body, forming an invalid's pony chaise.
- 894 KESTERON, E. 80 Long Acre, Des. and Mann.—Carriage of novel design for summer.
- 896 KINDER & WHEELER, Granby Pl. Leicester, Des. and Inv.—An Albere phaeton for a pair of ponies.
- 898 KING, W. 101 Long Acre, Des. and Mann.—Cabriolet domestique.
- 899 KIBROSS, W. & Co. Stirling, Scotland, Mann.—City omnibus, to carry nineteen passengers inside, with abundant ventilation, &c.
- 900 LAVANCHY, J. B. 9 Richmond Buildings, Soho, Inv.—Patent portable bridge, as called in France, Pont portative.
- 902 LEWIS, C. B. 14 King St. St. James's, Inv.—Omnibus improvement.
- 904 WILLOUGHBY, S. John St. Oxford St. Inv. and Mann.—Invalid carriage.
- 906 MAGILL, G. Redmond Hill, Dublin, Mann.—Pileatum phaeton, a close carriage. Outside cars, with improvements. Light gig.
- 908 MARKS, J. I. Langham Pl. Cavendish Sq. Prop.—Noiseless wheels.
- 910 MASON, W. H. Kingsland Rd.—Pony carriage.
- 912 MENZIES, A. Glasgow, Prop.—Model of an omnibus, with three horses abreast.
- 914-916 MIDDLETON, W. & C. 40 Long Acre, Mann and Inv.—Improved conveyable carriage. Centripetal plate to bring the wheels closer together.
- 918 MITCHELL, Rev. G. (LL.D.) Whitburn, Linlithgowshire, Inv.—Model of a safety carriage, which can be stopped from the inside. The design described in fifty different languages.
- 918 MITCHELL, Rev. W. A. M. Woolwich.—Model of railway engine, carriages, &c., with plan to preserve human life, and prevent serious accidents.

- 922 MULLINER, F. Northampton, Mann. and part Inv.—Improved pilentum, suspended on elliptic springs and patent axletrees.
- 924 MULLINER, H. Leamington Spa, Mann.—Four-wheeled carriage, commonly called a Brougham. Drawings of an improved curricle, dog-carts, Bouchon sociables, &c.
- 926 NEWHAM, J. Market Harborough, Leicestershire, Mann.—Pony carriage, consisting of an iron carriage of an entirely new description.
- 928 NEWHAM, E. 19 Broad St. Bath, Mann.—Bath wheel chair.
- 930 NICHOLSON, G. jun. 1 Harcourt St. Marylebone, Inv.—Railway spring-buffer carriage, with self-acting spring life preserver. Scaffolding for buildings. Fire-escape. Machine for street-watering and sweeping, &c.
- 932 NURSE & Co. 43 Crawford St. and 200 Regent St. Inv. and Mann.—Curricle and cabriolet Brougham, for one or two horses.
- 934 OFFORD, R. 79 Wells St. Oxford St. Inv. and Mann.—Four-wheel carriage. A new carriage, "The semicircular Clarence."
- 936 PATEROSTER, T. 13 Charlotte St. Fitzroy Sq. Des. and Mann.—Lace, in thread, worsted, and silk, for carriage decoration.
- 938 PETERS & SONS, Park St. Grosvenor Sq. Mann.—Light park barouche, with lee and under springs.
- 940 QUAN & SONS, 10 Talbot St. Dublin.—Improved Irish jaunting cars.
- 942 HARVEY, J. 41 Bridge Rd. Lambeth, Des. and Pat.—The patent Richmond car.
- 944 RIGBY & LEE, 7 Park Lane, Piccadilly, Mann.—Brougham carriage, adapted for one or two horses.
- 950 ROBINSON & Co. 12 Mount St. Grosvenor Sq. Des. Inv. and Mann.—Britannia phaeton of new design, with registered lock or wheel-plate, &c.
- 952 ROCK, J. jun. Hastings, Sussex, Inv. and Mann.—Improved carriage-spring, with a testing machine; a model of a barricade mobile. An improved photographic instrument, called the daguerreotype accelerator. Inv. and prov. reg. by E. Bearford.
- 954 ROCK & GOWAR, Hastings.—Omnibus for the conveyance of passengers, of novel construction. Patented.
- 956 SAUNDERS, C. New Yard, Gt. Queen St. Inv.—Double lever wheel-plate, to shorten the carriage, by bringing the fore and hind wheels closer.
- 960 SAWYER, W. St. James's St. Dover, Inv. and Mann.—A velocipede.
- 962 SHANKS, R. H. 4 Gt. Queen St. Mann.—Step piece landau, on elliptic springs.
- 964 SHILLINEER, G. 1 and 2 Commercial Pl. City Rd. Inv. Pat. and Mann.—Patent expanding funeral carriage.
- 966 SHILTON, T. Baddersley Ensor, near Atherstone, Inv. and Mann.—Wheel of improved construction of spoke, giving greater elasticity and ease in the motion of the carriage, &c.
- 968 SILK & BROWN, 8 Long Acre, Des. and Mann.—Barouche, with improved horizontal springs. First class carriage.
- 970 SMITH, J. 50 Bartholomew Close, Prop.—Patent swing spring door-hinge.
- 970 HILL & STONE, 21 Little Moorfields, Inv.—A park phaeton, with adjusting head.
- 970 SMITH, J. 50 Bartholomew Close, Prop.—Patent swing spring hinge.
- 972 SMITH, O. H. Pimlico Wheel Works, Upper Belgrave Pl. Prop.—Wheels for gun carriages (wood), made and put together by machinery.
- 976 SWAIN, T. 15 Charles St. Hackney Rd. Letter-car, Des.—Models of a church and of a mail coach, with very scenery.
- 978 THOMSON, G. Stirling, Scotland, Mann.—Four-seated gig, not liable to duty.
- 982 THURFF, C. J. 269 Oxford St. Des. and Mann.—Landaulet Brougham and shamrock car.
- 984 TILBURY, J. 35 Gloucester Pl. New Rd. Mann.—Light sporting phaeton, with patent noiseless wheels.
- 986 TUNSTALL & WILLIAMS, Bath, Inv.—Self-acting invalid chair, enabling the invalid to alter his recumbent posture with facility.
- 988 VEZEY, R. & E. Long Acre, Bath, Inv. and Mann.—Newly-designed sovereign sociable.
- 990 WALKERS & GILDER, 16 White Lion St. Norton Folgate, Inv. and Mann.—Registered single Brougham carriage, with additional front. Improved lamp-irons. Prepared rubber round-robins to hind springs.
- 990 WARD, J. 41 Paris St. Exeter, Mann.—A cab park-phaeton, on springs, with leather robins and axles on Collinge's principle.
- 991 WATTS, C. Parkhurst, Isle of Wight, Inv. and Mann.—Velocipede, consisting of three wheels.
- 995 WILSON, J. 26 Portland St. Waiworth, Des.—Improved velocipede, constructed principally of iron, adapted for exercise or amusement.
- 998 WYBURN, MILLER, & TURNER, 121 Long Acre, Mann.—Dress chariot.
- 997 WARD, J. 5 and 6 Leicester Sq. Des. and Mann.—Four-wheeled pleasure-ground Victoria chair, lined with blue figured satin, designed and woven by Draper, of Holborn. Improved recumbent chair for invalids. Spanish mahogany portable folding-chair, for invalids.
- 997 WILSON, C. Engine-driver on the Leeds and Thirsk Railway.—Small locomotive engine.
- 978 THOMAS, W. & F. 10 John St. Oxford St. Inv. and Mann.—Brougham, with equimotive springs, invisible step, &c.
- 956 ROCK & SOW, Hastings, Inv. Des. and Mann.—Patent dioropa, combining a Clarence or pilentum coach, a barouche, and an entirely open carriage. Patent pony carriage on improved principles.
- 957 ARTOUS, R. Balgroy, by Kirkcaldy, Inv.—Working model of a railway, the trains being driven by atmospheric engines fixed at every hundred yards.
- 958 BOWE, W. B. Budock near Falmouth, Inv.—Model of an apparatus for disconnecting railway trains in case of accident. Improved dividers for millwrights.
- 959 BRIGG, W. G. 20 Market St. Edinburgh, Inv. and Mann.—Safety cages, for mine shafts, to prevent the loss of life and destruction of property in mine shafts, when the rope or chain snaps.
- 960 BANKS, L. 23 Parliament St. Hull, Des. and Mann.—Twin geometric staircase.
- 961 CLARK, G. D. 12 London St. Greenwich, Inv. Agent.—Iron castings for architectural purposes, in combination with, or in lieu of, bricks or stone.
- 963 ELDER, D. Royal Adelaide Steamer, Leith, Scotland Mann.—Model of an oscillating marine engine.
- 963 GOOBY, P. F. 11 Camden St. Peckham, Inv. and Pat.—Beer machine, acting by turning a tap only. Pump. Warm bath apparatus. Compressed air garden engine.
- 964 GRAY, T. H. 79 King Wm. St. City, Inv. and Mann.—Spherical pump, sanitary cistern for cleansing drains, valve cocks, water closets, lightning conductor, &c.
- 965 HARRIS, T. Newlyn, near Truro, Inv.—A model for working water-power.
- 966 HOSKING, B. Ferran Foundry, near Truro, Inv.—Valve, applicable for large pumps, divided into several parts, so as to avoid the risk of breaking by concussion, the different parts shutting in succession.
- 967 HOWARD, RAVENHILL, & Co. King and Queen Iron

CLASS 6. *Manufacturing Machines and Tools.*

- 44 SANDERMAN, H. Tulloch Blaeckfeld, Perth, Manu.—Machine for stretching cloth after it has shrunk in the process of bleaching, scouring, dyeing, printing, &c.
- 45 STRANE, T. Coventry, Inv.—Carding machine, used in making up or boarding gimps, bindings, or fancy trimmings.
- 47 CRANTREE, T. Godley, near Halifax, Manu.—Card-setting machine, for producing the complete card from the wire and leather or cloth.
- 48 BERRY, B. & SONS, Bowling, near Bradford.—Machinery for the manufacture of worsted yarns, exhibited in operation.
- 49 HUNT, E. Nailsworth, Inv. and Manu.—A gig-mill on an improved principle, for dressing cloth; finishing with teasles, without removing the cloth from the machine.
- 49A DE BERGUE, C. 9 Dowgate Hill, Inv. and Manu.—Specimens of dents, and reeds or combs, complete, for weaving every description of fabrics, manufactured by patent machinery.
- 50 HAYS, E. Preston, Inv.—Balanced presser-fly, with zigzag, or multiplying spring, used in the spinning of cotton and other fibrous substances.
- 50A ELLIOTT & HAYS, 93 Mill St. Manchester, Inv. and Pat.—Improved loom.
- 51 LOCHEHEAD, J. Barrhead, near Paisley, Prod. and Improver.—Improved patent net-model loom, for weaving silk or cotton into net.
- 52 JUDKINS, C. T. Manchester, Pat.—Patent head machine, for producing heads or weavers' harness, &c. Sewing machine, capable of sewing 500 stitches per minute. Patent self-acting machine, for closing metals upon the eyes or loops of heads.
- 53 PLEWY & PELLER, Newbury, Berks. Inv.—Machine for turning yarn.
- 54 ROBINSON, R. Belfast, Ireland, Inv. Des. and Manu.—Flax seedling machine, which may also be used for crushing linseed, corn, or beans for feeding. Flax straw, grown in the county Down, Ireland.
- 55 BARRETT, EXALL, & ANDREWS, Katesgrove Iron Works, Reading, Manu. and Inv.—A compound lever copying press.
- 56 BROWNE, T. B.
57 Calvert
- 58 BURNS, W. Bradford, Manu.—Six-pitch wool comb, used in the preparation of wool for the worsted silk trade.
- 59 GAINES, SANDERS, & NICHOL, Birchin Lane, Cornhill, Manu.—Mode of making silk hats on cork and linen bodies, and felt caps.
- 59A HURWOOD, G. Cottage St. Ipswich, Inv.—Model of a breakwater, &c.
- 60 CLAYTON, C. and J.
- 61 ILES, C. Bardenley Works, Birmingham, Inv. and Manu.—Machine for sticking pins in circular tablets. Specimens of patent imitation marble, for internal decoration.
- 62 DICKINS, T. Middleton, Lancashire, Inv.—Working model of a mill, or apparatus for warping silk or other fibrous threads.
- 63 ROUGH & Co. Kendal, Manu.—Sheets of card, of different qualities, used for carding wool.
- 65 EARLE, H. Hoxton Old Town, Manu.—Lint machine: the material in process of manufacture.
- 66 WATKINS, W. & T. Bridge St. Bradford, Inv.—Ironstone porcelain guides, used in the roving and spinning of worsted, silk, cotton, flax, &c.
- 67 HUIR, W. Salford, Manu.—Amateur foot lathe, with joiner's bench, tool-chest, &c. Patent coffee-mills. Screw embossing press, with specimens, &c. Copying presses. Screw-stocks, taps, &c. Oil-testing machine. Invented by E. Thomas, of Manchester. Registered theodolite. Designed by H. Goss, of Salford. Soap-cutting machine. Invented by W. Storey, of Manchester.
- 67A POPE & Co. 56 St. Paul's Sq. Birmingham, Manu.—Screw and lever presses, for embossing and copying.
- 68 JAQUIN, C. A. 8 Finsbury St. Des. and Manu.—Fly-press, lever-press, and tools, used in making metal buttons, &c. Loop for label made by machinery.
- 70 ROBINSON, W. Inv.—Pin-making machine, on a small scale.
- 74 FLUMMER, R. Newcastle-upon-Tyne, Inv.—Patent machinery used in the manufacture of flax, hemp, &c. Raw materials and manufactures in illustration.
- 75 LAWSON & SONS, Leeds, Inv. and Manu.—Machinery for the preparation and spinning of flax.
- 77 PARKER, C. E. & C. Dundee, Scotland, Inv. and Manu.—Parker's patent mathematical power-loom for weaving navy-sail-cloth, and other heavy fabrics.
- 78 CRAWHALL, J. Newcastle-upon-Tyne, Inv.—Improved patent machine for manufacturing ropes.
- 80 DAVENPORT, J. L. Derby, Manu.—Silk-throwing machinery, made by W. Abell. Winding and cleaning engine. Spinning or twisting mill. Doubling frame. Reeling machine. Dramming apparatus.
- 82 BARLOW, A. 26 Broad St. Inv.—Patent Jacquard loom, with two cylinders and two sets of cards.
- 84 FROST, J. Macclesfield, Inv.—Models of improved silk-winding machine and cleaning frame; of a spinning and doubling machine; of a throwing mill, with spindles turned by friction: to be patented.
- 85 REED, T. S. Siddal's Lane Mills, Derby, Inv.—Patent power-loom, for making fringes and like fabrics without the use of shuttles.
- 86 CLAUSER, P. 26 Gresham St. Pat. and partly Inv.—Circular hand-loom, for weaving looped fabrics, elastic cloth, &c. Manlove & Alliot, Prop.
- 86A MANLOVE & ALLIOT, Nottingham.—Circular hosiery-machine.
- 87 GARDNER & BAILEY, Nottingham.—A 48-spindles doubling-frame, for the production of lace thread.
- 88 HUDSON & BOTTOM.
- 90 BALL, DUNNICLIFF, & Co. Nottingham, Manu.—Patent elastic velvet, silk elastic taffeta, Simla shawls, &c. from warp-lace machine. Designed by John Wilkins. Lace shawls, &c. from hobbins-net machine. Warp-lace machine, making plain blonde.
- 91 COWLEAD & LOVEJOY, Reading, Berks. Inv.—Self-inking platten hand-printing press, consisting of an adaptation of an inking apparatus to the ordinary press.
- 92 SEWELL, T. R. Carrington, near Nottingham, Inv. and Manu.—Machine for making bobbin-net lace. Figured and plain net, made by the machine.
- 94 BIRKIN, R. Nottingham, Manu.—Machine for the production of bobbin-net lace, &c. Black-silk lace-edgings, &c. White silk blondes. Edges. Insertions. Made and ornamented by machinery.
- 96 BURTON & EAMES, Lenton Works, nr. Nottingham. Prop.—Patent gassing machine, for singeing the loose fibre from lace, muslins, &c., giving them a more thread-like appearance, without injuring the fabric.
- 100 FOURDRINER, G. H. Hanley, Inv. and Manu.—Patent steam press, for printing the impressions to be transferred on to earthenware or china. Patent oscillating double-piston steam-engine, with potters' flint and colour mill. Original model of Fourdrinier's paper-machine; with specimen of pottery tissue paper, 21 miles long, made from old coal-pit ropes and hawsers.
- 102 HARDING, PULLEN, & JOHNSON, Guildhall Chambers, Prop.—Machines for making printing type from copper zinc, or other metal.

CLASS 6. *Manufacturing Machines and Tools.*

- 104 **SHERWIN, COPE, & Co.** 5 Cumberland St. Shoreditch, Inv. and Manu.—Printing press, exhibiting a simple combination of levers, &c. Arming-press, for bookbinders.
- 104 **TAYLOR, W.** Nottingham, Des. and Manu.—Machine for forming hemispherical paper-shades from flat discs of paper. Ornamental paper work, &c.
- 106 **TIDCOMBS, G.** Watford, Manu.—Machine for cutting paper in the continuous sheet.
- 110 **SHAW, W.** 8 Bachelor's Walk, Dublin, Manu.—Improved machine for ruling paper.
- 112 **WILSON, G.** 27 St. Martin's Ct. Leicester Sq. Inv. and Pat.—Paper and mill-board cutting machines.
- 114 **GREEN, D. & J.** Lothian Rd. Edinburgh, Des. and Manu.—Iron lithographic press, with frame, for registering coloured printing, &c. Copper-plate press, with single motion. Portable fans for cooling apartments in hot climates, suggested by Capt. Davidson, 18th Bombay Inf.
- 116 **MARSHOTT, W.** Leeds Rd. Huddersfield.—Registered machine for packing dry substances, and for printing labels.
- 118 **COOKE, H.** 127 High St. Oxford, Inv.—Printing apparatus of new construction, designed to give increased facilities to the compositor.
- 120 **NELSON, T. Jun.** Hope Park End, Edinburgh, Inv.—Working model of a new printing machine. Illuminated book-titles.
- 120A **ULMER, Fetter Lane, London.**—Printing-machine.
- 122 **INGHAM, H.** 198 Strand, Prop.—A printing machine, on the vertical principle, as used at the "Times" office. The machine which is erected in the Exhibition is made to print circular woodcuts and type in the best manner.
- 123 **WRIGHT, J.** Glastonbury, Somerset, Inv. and Manu.—Portable combined cheese-press and weighing-engine, with curd-breaker.
- 124 **CUTNER & DIXON,** 10 Finsbury St. Finsbury Sq. Pat. and Manu.—Columbian printing press.
- 126 **ERWOOD, A.** Birmingham, Imp. and Inv.—Working model of patent machine for dry-cementing envelopes.
- 130 **DOWKIN, T. & Co.** Bermondsey, Manu. and part Inv.—Model of improved paper-making machine.
- 132 **BREWSTER, JAMES,** 19 Suttery Pl. Old Kent Rd. Manu.—Endless brass wire cloth, rollers, moulds, &c. used in making paper.
- 134 **COWPER, E.**—Printing Press.
- 135 **CHURCH & GODDARD,** Birmingham, Manu.—Machine for cutting card-boards into cards for printing and other purposes. Machine to cut, print, number, count, and pack tickets. Machine for dating railway tickets.
- 137 **MARSHALL, T. J.** 80 Bishopsgate Without, Inv. and Manu.—Model of paper-making machine. Dandy-rollers.
- 138 **BLACK, J.** Edinburgh, Manu.—Patent folding machine.
- 142 **STRAKER, S.** 80 Bishopsgate St. Within, Manu.—Slide-lever lithographic press, with improved registering-machine, for colour printing.
- 144 **BREWSTER, C. & W.** Markham Works, Larkhall Lane, Inv. and Manu.—Rollers, moulds, &c. for paper-making, with illustrations.
- 146 **RANSOMES & MAY,** Ipswich, Manu.—Model of patent excavator, for railways or canals. Models of improved apparatus and machinery, for preparing timber with crosscut, &c.
- 148 **POPE, T. & C.** 56, St. Paul's Sq., Birmingham.—Copying-presses.
- 150 **CORN, T.** 19 Portugal St. Lincoln's Inn, Manu.—Model of improved iron printing press.
- 152 **PARKER, C.**
- 154 **JARRETT, G.** 45 Lee St. Kingsland Rd.—Improved embossing presses.
- 156 **SULLIVAN, T.** Foots' Cray, Kent, Inv. and Manu.—Models of rollers for producing the water-mark, &c. in machine-laid paper.
- 158 **NAFIRA & SON,** Lambeth, Inv. and Manu.—Compass which registers on paper the compass course which a vessel has been steered for 24 hours. Perfecting printing machine; single cylinder printing machine.
- 160 **McCLURE & Co.** Bow Churchyard, London.—Lithographic-press.
- 162 **HOPKINSON & COPE,** 14 New North St. Finsbury, Inv. and Manu.—Albion printing press. Holm's patent Scandinavian printing machine.
- 164 **WATERLOW & SONS,** London Wall.—Printing-machine.
- 168 **HAWKAY, W.** Nottingham, Prop.—Circular hoistery machine.
- 201 **WHITWORTH, J. & Co.** Manchester, Manu.—Self-acting lathes, planing, slotting, drilling and boring, screwing, cutting, and dividing, punching and shearing, machines. Patent knitting machine. Patent screw stocks, with dies and taps. Measuring machine, and standard yard, &c.
- 202 **FORTEA, T.** Manchester, Inv.—Method of applying etching ground copper rollers.
- 203 **LYONS, M.** 143 Suffolk St. Birmingham, Inv.—Apparatus and specimens to illustrate the process of bright electro-plating, gilding, electro-engraving, and deposition of copper for the formation of tubes.
- 204 **SHARP.**
- 205 **MORDAN, SAMPHSON, & Co.** City Rd. Manu.—Bright steel fire-proof jewel-box, with or-molu ornaments. Elegant carved and inlaid pearl inkstand, &c. Gold pens. Complex self-acting rose-engine and tracing-machine. Combination copying and seal-press.
- 207 **HUNT, J.** per C. Boyd, 15 Addison Rd. Paddington, Inv.—A mineral washing-case, designed for the more expeditious and effectual washing of gold, silver, tin, copper, and lead ores, &c.
- 208 **GARFORTH, W. J. & J.** Dukinfield, near Ashton-under-Lyne.—Steam-rivetting machine, direct action.
- 209 **LEWIS & SONS,** Manchester, Manu.—Wheel cutting and dividing engine. Hodge and Batley's patent high-pressure steam-engine. Model of Lewis and Mac Lardy's patent roving and slub spindle, &c.
- 210 **SHAWK, A.** 6 Robert St. Adelphi, Inv.—Bolt screwing machine. Improved high-pressure engine.
- 212 **JOHNSON, R. & BROTHERS,** Dale St. Manchester, Manu.—Wire-drawing benches, showing the process of drawing strong and fine sizes of iron wire, with specimens.
- 216 **HICK & SON,** Bolton, Des. and Manu.—Radial drilling machine. Ball safety-valve. Mandrills, &c. punched out by hydraulic pressure. Compound hydraulic press. Portable smith's hearth or forge. High-pressure oscillating steam-engine. Models of steam-engines. Machine for cleaning and preparing grain.
- 218 **GLASCOCK, J.** Manchester.—Improved screwing machine, with dies, taps, chucks, &c. complete.
- 220 **SHERMAN, HILL, & SPINK,** Hunsted Rd. Leeds, Manu.—Self-acting side lathes, with screw-cutting apparatus, self-acting surface motion, and improved disengaging motion.
- 221 **COTTAM & HALLEN,** 2 Winsley St. Inv. and Manu.—Portable hydraulic press, with dial index and dead hand.
- 222 **RYDER, W.** Bolton, Inv. and Pat.—Forging machine for small articles up to two inches, round or square, with specimens.
- 223 **SANDFORD, OWEN, & WATSON,** Phoenix Iron Works, Rotherham, Inv. Des. and Manu.—Improved screw-cutting lathe, of very simple construction. Patent railway wheels, made entirely of wrought iron, in one entire piece.

CLASS 6. Manufacturing Machines and Tools.

- clouds, smut, &c.; the best wheat is considerably improved by passing through this machine, of simple construction. A model of a flour-dressing machine, with registered fan-brushes and flanges complete. Specimens of wove and twist wire in brass and copper.
- 445 **GRAHAM, WERR, & Co.** 304 Wapping, Manu.—Model of a horizontal mill, for crushing sugar canes with five rollers. Model of the old vertical sugar-cane mill. Model of a set of evaporating pans.
- 446 **HUXHAMS & BROWN,** Exeter, Inv. and Manu.—Mill to grind bark for tanners, making but little dust. Improved cooking-stove. Open range. Novel fire to oven. Cottage stove. Emigrants' or domestic hand flour-mill. Mill-stones for grinding wheat.
- 447 **GILBERT, J.** 79 Wardour St. Soho, Inv.—Guillotine cutting machine, for cutting end joints, and for mouldings and other work in joinery and cabinet-making, &c.
- 448 **ADORSO, J. N.** 6 Golden Sq.—Machines for making cigarettes and cigars.
- 450 **GATTI, GATTI, & BOTTA,** 129 Holborn Hill, Des.—Model of a steam-engine.
- 454 **MANLOVE, ALLIOT, & SETON,** Lenton Works, Nottingham, Inv.—Centrifugal machines for washing and drying clothes; for drying starch, &c., and purifying sugar.
- 455 **STAGIRT & SOBE,** 35 Charles St. Prop.—Ivory comb-cutting machine. Illustrations of improved mode of cutting ivory.
- 456 **PROSEK & HADLEY,** 20½ Clipstone St. Manu.—Patent ornamental sawing machine, capable of performing curvilinear cuttings, both in outline and perforation.
- 457 **TOME, BAILLY, & Co.** East India Chambers, Imp. and Agents.—French millstones, made at La Ferté-sous-Jouarre, to which is applied Hanon-valcke's patent aërotor. Machine for roasting coffee.
- 457A **LAW, W.** 31 St. Andrew's Sq. Edinburgh, Inv.—Machine for roasting coffee.
- 458 **SAVAGE, A.** 43 Eastcheap, Manu.—Mills for grinding and bruising wheat, malt, coffee, drugs, &c. Roasters, &c. for coffee, chocolate, malt, &c.
- 459 **HUGHES.**
- 460 **MACKENZIE.**
- 461 **WHEELER.**
- 462 **MILINGTON, B. & E.** Newark-upon-Trent, Inv. and Manu.—Patent smut machine, for cleaning corn of all soft impurities.
- 463 **RANKIN, R. & J.** Liverpool, Manu.—Patent vertical smut machine and corn screen, with separator attached, for extracting sand, seeds, and small grain; and registered portable driving apparatus.
- 463 **BURN.**
- 470 **ASHBY, W.** 8 Prospect Pl. Sheffield, Inv.—Upright flour-dressing machine.
- 501 **HALL, J. S.** 306 Regent St. Manu.—Loom for weaving India-rubber webbing for elastic boots and shoes, &c. Machine for cutting out boots and shoes. Machine for cutting India-rubber work, goloshes, &c.
- 502 **MANNELL, T.** 94 Bull St. Birmingham, Inv. and Manu.—Patent fly-press for cutting with steel tools or knives on an even surface of steel, with accuracy. Patent boot-blocking machine.
- 503 **THOMPSON.**
- 504 **WATTS.**
- 505 **BREITENFELZ, H.** Albany St. Manu.—Candle-mould frame.
- 602 **PORTER & WOOD,** Shoe Lane, Fleet St.—Sugar apparatus, pumps, &c. in copper and brass.
- 604 **LAWRENCE, J.** Sen. Colnbrook, Slough, Des. and Inv.—Distributor, with six outlets. Patent refrigerator. Patent store cask or vat, with tinned copper attempering pan.
- 605 **TYLER, HAYWARD, & Co.** 85 Upper White Cross St. St. Luke's, Inv. and Manu.—A patent double soda-water machine.
- 608 **COX, W.** Manchester, Pat.—Improved apparatus for the manufacture of aerated waters; also an improved construction of cock or tap.
- 609 **SADDINGTON, S & W.** 63 Wood St. Cheapside, Manu.—Drum sieve, for druggists, &c. Straining sieve, of silk lawn, for starch, colours, &c.
- 610 **BOURKA, L. A.** 31 Rathbone Pl. Inv. and Pat.—Patent colour-extractor apparatus.
- 611 **ASKEW, C.** 27½ Charles St. Hampstead Rd. Inv. and Manu.—Model refrigerator, for cooling beer.
- 612 **DAWSON, J.** Distiller, Green Park, Linlithgow, Inv.—New distiller or rectifier's recording close safe.
- 613 **BARLOW, H. B.** Manchester, for **LE FORESTIER AMM, HAVRE, Prop.**—Model of a press for making wine, with improved gearing.
- 614 **KNIGHT & SONS,** Foster Lane.—Amateurs' complete lathe cabinet. Mr. Francis' new lathe-rest. A dividing engine for the lathe, invented by the Rev. F. Meyler. Improved cleaning, grinding, and polishing machine for tools. Goffering machine, for silks, muslins, straws, &c. Crimping machines, for shawls, caps, collars, and dresses. Punches for dress-making, flower-making, pattern-making, &c. Complete joiner's and other tool-chests. Blasting apparatus, &c.
- 615 **CORRY, T.** 4 Providence Row, Finsbury Sq. Inv.—Refrigerator for cooling worts or condensing steam.
- 617 **HALLDAY, A. P.** 6 Bank Pl. Salford, Manchester, Inv.—Apparatus for the manufacture of pyroligneous acid. Patented.
- 618 **HULLS, J.** High Wycombe, Manu.—Wheeler's patent refrigerator. Wheeler's patent condenser.
- 619 **HILL, EVANS, & Co.** Worcester, Prop.—Model of a patent vinegar apparatus, for aceticification without sulphuric, pyroligneous, or other foreign acid.
- 621 **MASTERMAN, J. & T.** 38 Broad St. Ratcliff. Inv. and Pat.—Apparatus for bottling and corking bottles.
- 623 **THOMPSON, YOUSSEF & Co.** Des. and Inv.—Apparatus for the heating and cooling of worts in the process of fermentation.
- 624 **COOPER & BURELL,** Eastbourne, Sussex, and 9 York Ter. Queen's Rd. Hornsey Rd. Prop.—Patent aerating machine; a carbonating machine, expressly adapted to draught purposes.
- 625 **BESKETT, J.** 1 Thistle St. Oldham Rd. Manchester, Des.—Drawing of a powerful self-acting slide lathe.
- 626 **CLAY, W.** Liverpool, Inv. and Manu.—Bars of patent rolled taper-iron, for ships' knees, mills-shafting, anchor shanks, anchor-stocks, and other purposes.
- 627 **DERWENT IRON Co.** Shotley Bridge, Newcastle, Manu.—Rolled malleable iron plates, used in the construction of marine engines and in the building of iron ships, 17 to 20 feet long. Rolled keel iron. A railway bar, measuring 66 feet 9 inches in length, &c.
- 628 **PHILLIPS, SMITH, & Co.** Llanelly, Wales, Manu.—Series of specimens illustrative of the manufacture of tin plates.
- 629 **SYKE & OGDEN,** Huddersfield, Inv. and Cleaner.—Drawings illustrative of patent and improved wool-cleaning machine. Samples of burry and motey wool, cleaned from the burrs and motes, &c.
- 630 **THOMPSON, R.** Woolwich.—Model of a sewing-machine.
- 630 **THEAN.**
- 631 **WATSON, H.** Newcastle-upon-Tyne, Inv. and Manu.—Improved pulp strainer, for paper manufacturers.

- 71 DOWKER, T. & Co. Bermondsey, Mann. and part Inv.—Model of the frame used in the construction of the Thames Tunnel.
- 71 GILES, A. 9 Adelphi Ter. Des.—Model of a curved timber roof. Model of a repairing or dry dock.
- 72 McLEAN, C. 110 Fleet St.—Models for shop fronts.
- 73 BOUCE, T. Edinburgh, Inv. and Des.—Model of an apparatus for shipping and unshipping the trains of the Edinburgh, Perth, and Dundee railway, at all states of the tide.
- 74 HARRIS.
- 75 JACKSON & CLAY, 21 Homer St. Lambeth, Inv.—Fire-escape.
- 75 JACKSON, C. W.
- 76 SPURDIN, Dt.
- 78 ROSEBELL, H. H.
- 80 HOOKE, T. 80 New Cut, Lambeth, Inv. and Mann.—Registered portable bed-room fire-escape.
- 82 WELLS, G. Admiralty Office, Inv.—Telegraphic lighthouse, intended to prevent mistake as to identity.
- 84 LAVANCKY, J. B.
- 88 HAWKS, CRAWHAY, & Co. Gateshead, Newcastle-upon-Tyne, Mann.—Model of the high-level bridge at Newcastle-upon-Tyne. Samples of naval cable and other chain.
- 90 DUNHILL, T. C. E. North Brixton, Projector.—Design for an aggregate cattle and carcass market, abattoir, &c. to accommodate 5,000 oxen, and 40,000 sheep.
- 93 LEEHAY, L. N.
- 94 ELL, G. 3 Tottenham Court, New Road, Inv. and Improver.—Adjustable scaffold observatory or fire-escape. Adjustable ladder. Wheelbarrow. Folding steps, &c.
- 95 & 104 BREWSTER, J. C. E. Wick, Inv.—Model of an apparatus for building sea-walls in deep water. Models of life-boats. Models of the means used for raising the iron steam-ship Great Britain. Models of cranes, &c.
- 98 SMITH, W.
- 98 REWSE, G.
- 99 THE COMMISSIONERS OF NORTHERN LIGHTHOUSES, Edinburgh, Mr. Alan Stevenson, Engineer.—Revolving dioptric apparatus of the first order (same as that at Skerryvore). Fixed dioptric apparatus of the first order, invented by M. Fresnel (same as that at the Isle of May, with various improvements). Model of the Bell Rock Lighthouse, lighted in 1811: executed according to the design and under the superintendence of the late Robert Stevenson. Model of the Skerryvore Lighthouse: executed according to the design and under the superintendence of Alan Stevenson. Model of balance crane, designed by the late Robert Stevenson, and used by him in the erection of the Bell Rock Lighthouse. Model of the apparatus of an intermittent light: designed by the late Robert Stevenson, and introduced by him at the Lights of Tarbetness, Barrahead, and Mull of Galloway, on the coast of Scotland. Model of a lighthouse lantern, on the diagonal arrangement: designed by Alan Stevenson. Mechanical lamp of four wicks, in which the oil is kept continually overflowing by the means of pumps, which raise it from the cistern below; the rapid carbonization of the wicks which would be caused by the great heat is thus avoided. Holophotal arrangement of lighthouse apparatus, prepared by Thomas Stevenson.
- 100 STEVENSON, T. 84 George St. Edinburgh, Inv.—Revolving light, with axial rotation. Ordinary parabolic reflector rendered holophotal (where the entire light is parallelized) by a portion of a catadioptric annular lens. Holophotal catadioptric annular lens apparatus. Small model of holophotal apparatus, acting by refraction and total reflection only. Holophotal apparatus, with parabolic strips.
- 101 TUCKER.
- 104 HOPKINSON, Jos., sen.
- 105 VIGNOLE, C. 4 Trafalgar Sq. Des.—Model of the wrought-iron bar-chain suspension bridge at Kieff (Russia), now erecting across the river Dnieper; the largest work of the kind hitherto executed.
- 109 WILLIAMS.
- 110 CROGGAN, T. and J.
- 111 WILLETT, F. 5 Edward St. Portman Sq. Prop.—Models, with diagram, to show the principle of Taffie's patent for roofing houses, &c.
- 112 THOMPSON, F. jun. C. E. Water Works Chambers Orange St. Leicester Sq. Inv.—New apparatus for economising the consumption of gas.
- 114 DOMSON, J. Newcastle-upon-Tyne, Des.—Model of the roofs erected at the Newcastle-upon-Tyne Central Railway Station, &c. Model of a rolling machine, designed by T. Charlton, used in rolling iron for the same.
- 118 May, Alfred
- 117 SMITH, W. & Co. 69 Prince's St. Leicester Sq. Pat. and Mann.—Double-action door-spring, &c. Weather-tight fastening for French windows. Revolving iron shutters. Machinery for unloading and loading ships, &c. Improved water-wheel for driving machinery, and a new horizontal power engine. Improved bench planing machine.
- 118 TUTOR, J. 20 South Andley St. Grosvenor Sq. Inv. and Pat.—Models of patent improvements in the construction and arrangement of the window spaces of dwelling houses.
- 120 EVERT, S. F. Quordon, near Derby, Inv. and Mann.—Patent Vulcan chimney-sweeper. Circular and oblong chimney-sweeping machines.
- 121 NEALS, W. J. 30 Basinghall St. (Hon. Sec. to Com. for awarding medals for the best Chimney-sweeping Machinery.)—Prize machinery. Prize plans and estimates for altering awkward chimneys.
- 122 ALLAN, J. Sen. Glasgow, Mann.—Portable apparatus for making gas from resin, cooking food for cattle, &c. Gas candelabrum, of cast-iron.
- 123 NEE, MARY, 24 Mold Green, Huddersfield, Inv.—Window-cleaner, for the protection of female servants.
- 124 HILL, O. & J. 37 Gt. George St. Westminster, Imp. and Makers.—Modification of Dr. Arnott's curtain-pump, arranged so as to be worked by a weight.
- 126 MACKIE, W. 141 Lower Beogot St. Dublin, Inv.—Patent safety window fittings.
- 127 ROBERTS, R. E. 2 Nelson Pl. Clifton, near Bristol, Inv.—Newly-invented safety window-sash, which may be cleaned from within.
- 128 WILLIAMS, L. 14 Upper Marylebone St. Portland Pl. Inv. and Mann.—Man-help for painting ships, houses, &c. Concave-bottom tea-kettle. Safety cot.
- 128 English Patent Camphine Co.
- 134 BOOTH, G. R. 9 Portland Pl. Wandsworth Rd. Inv. and Mann.—Vegetable gas apparatus.
- 137 SAMPSON, T. Landora, Swansea, Inv.—A high-pressure steam-boiler, with self-feeding apparatus and still.
- 139 VAUGHAN, W. Maidstone, Inv.—Machine to facilitate the construction of marble, stone, slate, or other chimney-pieces.
- 140 FARRELL, I. 210 Gt. Brunswick St. Dublin, Mann.—Model of a registered circular window.
- 140 JARRETT, J.
- 142 McNEILL, F. & Co. Bunhill Row, Finsbury, Mann.—Waterproof bituminous felt for lining damp walls, &c.; patent asphalted roofing felt; patent thin ship sheathing felt, for use under copper; thick hair felt, for clothing the boilers of steam-engines, &c.
- 144 ANDERSON, G. Rothbury, Northumberland, Inv. and Mann.—Model of an improved window.
- 145 LOWE, G. G. 2 High St. Portland Town, Inv.—Self-cleansing sanitary cistern.

- 146 QUINCEY, H. 82 Hatton Garden, Inv. and Pat.—Revolving iron safety shutters, perforated metal and dwarf Venetian blinds. Self-supplying pedestal coal vase. Patent hand lamp. Model of a fire place in Buckingham Palace.
- 147 THEOBALD, J. 21 Brunswick St. Blackfriars Rd. Inv.—Improved window-sash, with alarm and fire-escape.
- 148 WALBY, J. 59 Greek St. Soho Sq. Inv.—Universal fire-escape.
- 150 IRISH ENGINEERING Co.
- 151 ALLEN, T. Clifton, near Bristol, Inv. and Manu.—Model of registered fire-proof iron roof, showing the principle applied to a roof of 50 feet span.
- 152 BRENNETT & Co.
- 153 WHYTOCK, A. 494 New Oxford St. Manu.—Model of emigrants' house, made of Morewood and Rogers' patent galvanized tinned iron, corrugated. Furniture, &c. of the same, &c.
- 157 WILKINS, W. C. 24 Long Acre, Inv. and Manu.—Lantern and revolving apparatus for floating light. Reciprocating dioptric apparatus for lighthouse.
- 158 COCHRANE.
- 159 REITZLE, R. Edinburgh, Inv.—Lamps, signals, life-boats, fire-extinguisher, breakwater, &c. Mining and ventilating apparatus, &c. Rotating pendulum clock, stoves.
- 160 KING, W. 8 Woodstock St. Bond St. Inv. and Manu.—Models of a floating breakwater and foundation for a lighthouse or place of refuge on the Goodwin Sands.
- 161 HAYCROFT.
- 165 SMITH, W. H. 1 Royal Exchange Buildings, Inv.—Recoil breakwater, &c. Lighthouse, applicable to beacons and marine batteries, in all depths of water. Tubular suspension girder bridge, to prevent the vibratory action.
- 166 LACY, H. G. M.P. & BOCK, G. W. C.E. Inv. and Pat.—Wrought-iron railway sleeper.
- 168 BELL, W. 40 Pickering Pl. Paddington, Inv.—Suspension-bridges made rigid by girders attached to the suspension chain. Bridge of one arch, of 250 feet span, designed for ornamental waters. Roof of 400 feet span. Self-acting flood-gate.
- 168 RENZEYSKI, Capt. G. A. Stirling, Scotland, Inv.—Self-sustaining suspension bridge, free from side oscillations, and having little deflection.
- 169 NASHMYE, G. 7 Park Rd. Kennington, Inv. and Pat.—Two models of wrought-iron girders.
- 170 NEWHAM, T. G. Newton, Montgomeryshire, Wales, Inv.—Model of a portion of the roof of Dolfor church. Model of a roof constructed with ribs of terra cotta. Model of stone, or of terra cotta, mullioned window.
- 171 YOUNG, J. Gas Works, Selkirk, Scotland.—Model of coal-gas apparatus, constructed on a new arrangement.
- 172 METROPOLITAN ASSOCIATION.
- 174 NIXON, T. Kettering, Inv. Des. and Manu.—Design for a self-ventilating garden-light or sky-light, perfectly water-tight. Registered.
- 176 HOLMES, J. East Ham, Essex, Des. &c.—Two cottages in one.
- 178 MOORSON, Capt. 17A Gt. George St. Westminster, Des. and Superintendent.—Model of a railway viaduct over the Nore, near Kilkenny. Model of prize design for the great bridge over the Rhine, to be erected at Cologne.
- 180 ROSE.
- 181 MCLACHAN.
- 182 DANIEL, W.
- 183 BERGIN, M. O. 8 George St. Cork, Ireland, Inv. | Working model of a registered self-acting fire-extinguisher.
- 184 HENDY, J. 1 Bouverie St. Fleet St. Inv.—Model for a new national fire-escape.
- 185 WEBSTER, Wm.
- 186 ACHESON, J. 102 Leadenhall St. Inv.—Model of a "catamaran life-boat."
- 188 GREEN, I. 3 Vittoria Pl. Euston Sq. Inv.—Wind guards for chimney-tops.
- 187 NUNN, ALICIA, 2A Welbeck St. Cavendish Sq.—New apparatus for warming and ventilation. Machines for washing and ironing clothes and lace. Meat baster.
- 189 WILSON, T. H. Twickenham, Inv.—Slides for excluding the wet and cold from doors and shutters, hatchways and port-holes, &c.
- 190 MUDGE, J. 78 Tottenham Court Rd. Inv.—Private fire-escape, which can be worked from the street or the room.
- 191 HEMING, G. 44 Lucas St. Commercial Rd. East, Des.—Drawings, illustrative of a method of laying down machinery or buildings, so as to avoid the expense of a model.
- 191 BERTON, J.
- 192 ADCOCK, T. jun. Peakridge, Staffordshire, Inv.—Simultaneous gates for railway crossings, planned for safety, economy, and despatch.
- 193 BRUCKER, W. Mitre Chambers, Fenchurch St. Inv.—Carriage, crane, and portable fire-escape combined.
- 194 TAYLOR, Hy.
- 195 WILSON & WOODFIRE.
- 196 HOPPER, W. H. 13 Gt. Cumberland Pl. Hyde Park, Inv.—Model of a rotatory floating breakwater. Model of an omnibus.
- 198 BOULANGER, C. T. Alice St. Bermondsey New Rd. Inv.—A fumigator, with refrigerant or cooler, applicable to the destruction of insects in tender plants, in animals, and houses, and to vapour baths, &c.
- 197 BAIN, W. 141 High Holborn, Inv.—System of pipes in case of fire. Machine for saving life and property from shipwreck on the coast. Life-preserving cape cloak.
- 199 INGLIS, A.
- 201 JACKSON, H. 63 Westbourn St. Pimlico, Inv. and Manu.—Fire-escape dressing-table.
- 202 BROWN, J. 71 Leadenhall St. Inv. and Manu.—Model of a navigable balloon.
- 203 BARCLAY, J. Tongue by Goldspie, Scotland, Des. and Inv.—Mechanical time and tide tables. A portable pressing-machine. Model of a wooden float bridge, for narrow straits or rivers. Model system of drainage, &c. Mineral and other natural productions, from Tongue, Sutherlandshire, Specimens of woods, cotton, grass, wool, potatoes, shell-fish and seal-skins.
- 203 DUNN, M. Newcastle-upon-Tyne, Inv.—Fire escape.
- 208 BURNETT, J. & Co. 26 Lombard St. City, and Deptford, Kent, Inv. Pat. and Manu.—Patent concentrating reciprocating steam-engine for high or low pressure. New patent iron safety shutters. Patent ventilating sashes, &c.
- 226 RENNIE, G. 21 Whitehall Pl.—Models of stone bridges. Model of an asylum harbour for Dover, by G. B. Rennie, jun.; and of a wrought-iron girder bridge proposed over the Rhine, at Cologne.
- 231 FOX & BARRETT, Thames Chambers, 19 George St. Adelphi, Prop.—Specimens of patent fire-proof flooring or roofing.
- 237 DANIELL, W. Truro, Inv.—A fire-escape.
- 237 KENT, A. Chichester, Sussex, Inv.—New method of glazing greenhouses, &c. with facility; with peculiar shaped bar and a new material, in lieu of putty, to obviate drip.
- 239 PAYNE, G. Cowes, Isle of Wight, Prop.—Royal Osborne bouquet. Real Isle of Wight sand soap. Royal Osborne sauce.
- BENNETT, E. 2 Victoria Pl. Woolwich, Inv.—Universal wedge block for resisting lateral pressure.
- BLACK, J. 83 Friar St. Blackfriars Rd.—Model of a self-supporting roof for a circular building.
- BRAMHALL, T. 1 Union St. St. George's Rd. South

15 LILLYWHITE, J. Frederick St. Portsea, Manu.—Metal model of a gun of 95 cwt. with carriage and slide.

15 GRASS, G. Clare St. Bristol, Inv. and Manu.—Improved registered double-barrel gun, with protector against wet.

15 BAKER, T. K. 88 Fleet St. Inv. and Manu.—Apparatus for preventing accidents from fire-arms.

15 MUNRO, J. Jun. 4 High St. Lambeth, Manu.—Models of brass guns, gun-carriages, and limbers.

15 INSKIP, H. Hertford, Inv.—United service powder and shot flask. Improved egg boiler.

16 GRAINGER, J. Wolverhampton, Manu.—Tube and barrel-action gun and rifle gun-locks.

16 BUCKLAND, J. Greenwich, Des.—Iron steamer, propelled by two screws.

17 SQUIRES, W. Cottage Grove, Mile End, Inv. and Manu.—New rifle, calculated to project a ball to a great distance with a small charge.

18 FORSYTH & Co. Leicester St. Leicester Sq. Inv. and Manu.—Patent safety gun, &c. Original percussion gun, as invented by Forsyth, containing a reservoir of percussion powder.

21 BRINKIN, J. Newton Stewart, Scotland, Inv. and Manu.—Two guns, newly invented to prevent accidental discharge, with complete waterproof for the cap.

22 RIPPINGHILL, E. 81 King St. Manchester, and 87 Albany St. Regent's Park, London, Inv.—An improved gun-lock, with stock.

22 FERGOUSON, J. 20 Langham Pl. Inv.—Model, showing eight different modes of fortification on a new system.

23 HASWELL, R. 12 Upper Ashby St. Prop.—Air pistol on a new principle.

24 NEEDHAM, W. & J. 26 Piccadilly—For S. Newham, Prop.—Patent self-priming gun. Self-priming musket, to use the military flange cap. Safety stop-lock gun. Game registers, double and single guns to load at the breech. Self-loading carbine.

25 GOLDEN & SON, Huddersfield, Manu.—Bentley's patent double gun, with improved locks, &c.

25 FERGOUSON, C. A. & T. Mast House, Mill Wall, Poplar, Inv. and Manu.—Models of masts made with small timber. Improved fid. Casells' improved gun. Gun-carriages. Blocks, &c.

27 MORTIMER, T. E. 97 George St. Edinburgh, Manu.—Double rifle. Fowling-piece. Highland pistols. Improved conical and other balls. Specimen gun-case, with fittings complete.

29 HASTINGS, J. 24 Billiter St. City, Prop.—Models of a windlass and capstan, fitted with Johnstone's patent double-action lever purchase. Model of a ship's capstan and rim or cable-holder, and Gryll's patent whelps.

29 DEANE, G. & J. 30 King Wm. St. London Bridge.—Guns, rifles, pistols, &c.

31 BROOKES & SON, 28 Russell St. Birmingham, Manu.—Fowling-pieces. Rifles. Revolving gun. Military guns. South American (Buenos Ayres) and Spanish carbines. African trading guns. Dane guns. Pistols, &c.

32 TIPPING & LAWREN, Birmingham, Manu.—Illustration of gun-barrel manufacture; rifles, guns, pistols, air-guns, &c.

32 ROBINSON, A. 15 Hampden St. Harrow Rd. Paddington—Best Damascus gun barrels.

33 MOLL, R. Broad St. Birmingham, Manu.—Gilt mounted sword, blade of finest cast steel; highly mounted Mamaluke sword; officers' regulation swords. Matchets of best cast steel for America, West Indies, &c.

34 TOWNSEND, J. 11 and 12 Sand St. Birmingham, Manu.—Improved rifle and walking-stick air-guns.

35 REEVE, GRAVVE, & Co. 28 Bartholomew St. Birmingham, Manu.—Officers' dress sabres and field-swords.

36 HART, H. 54 New Canal St. Birmingham, Manu.—Guns and pistols. Specimens of gun-barrel manufacture in every state, from the old horse-nail stubs of earliest period to the latest improvements.

37 RICHARDS, WESTLEY, & SON, Birmingham, Manu.—Rifles, double tiger guns, punt gun, pistols, &c. Registered improved corkscrews and carving forks.

38 COOPER, J. R. & Co. 24 Legge St. Birmingham, Manu.—Patent self-cocking pocket-pistol, revolving pistols, ladies' pistols, &c.

39 WALKER, SARAH, & Co. 12 Legge St. Birmingham, Manu.—Specimens illustrative of the manufacture of percussion-caps.

40 WALKER, R. Graham St. and Broad St. Birmingham, Manu. and Pat.—Specimen of percussion caps; metallic gun-wadding; gold, silver, and steel pens; and ladies' dress fasteners.

42 OSBORNE, C. 1 Lichfield St. Birmingham, Manu.—Improved central-fire double guns with chain-twist barrels; bar-slide, double, and single guns; tube single gun; large single gun, with Col. Hawker's improved ignition; improved alarm gun, pistols, &c.

43 GODDARD, S. A. Birmingham, Manu.—Fowling guns; American ducking gun. Pattern, and common African musket. California protector gun. Invented by the exhibitor; adapted to house defence, &c. Gun barrels, partially finished.

43 DOWLING, G. 15 Canal Ter. Caledonian Rd. Islington, Des. and Manu.—Cornish fishing boat.

44 POWELL & SON, Carr's Lane, Birmingham, Manu.—Double-barrelled rifle and gun; pistols; improved safety trigger guard; pair of lock actions, &c.

45 WINTON, H. 53 Cleveland St. Birmingham, Inv. and Manu.—Spoons, in a variety of materials, improved tinned iron, &c. Skewers, ladles, shoe-lifts, taps, cocks, joints, tablets, name plates, new form and material. Safety guns.

47 HOSKINS, J. 31 Frith Street, Soho Sq. Inv. and Manu.—Double gun, with safety; on a new and simple principle.

47 NAYLOR, I. Monk Bretton, near Barnsley, Inv.—Patent alarm-gun for the protection of property and game.

48 DAVIS, J. 1 Duke St. North Parade, Bath, Inv. and Manu.—Soldier's musket, substituting the blade of the bayonet for the ramrod. New system of music, and general instructions for the pianoforte, organ, pedal harp, &c.

52 DAVIDSON, D. Captain, Bombay Army (per C. H. Davidson, Haddington), Inv.—Rifles and pistols, with telescopic sights, and bored for grooved bullets.

53 REULLY, E. M. New Oxford St. Manu.—Improved guns, rifles, pistols, air guns, &c.

54 BULL, J. Bedford, Manu.—Double-barrel gun, with the modern improvements.

55 RIGBY, W. & J. 24 Suffolk St. Dublin, Manu.—Guns and rifles, double and single; rifle and revolving pistols. Parts of guns in unfinished state, &c.

57 PARKER, FIELD, & SONS, 233 Holborn, Manu.—Fowling and rifle guns. Pistols. Air-gun. Musket. Fusil. Carbine. Manacles, &c.

58 ELEY, W. & C. 38 Broad St. Golden Sq. Inv. and Manu.—Illustrations of the manufacture of patent wire cartridges and percussion caps. Gun wadding.

59 LANG, J. 7 Haymarket, Manu.—Guns, rifles, pistols and revolvers. Patent walking-stick gun, with rifle and shot barrels, &c.

61 TRULOCK & SON, 9 Dawson St. Dublin, Manu.—Double bar guns. Centripetal double gun. Pistols. Barrel and lock manufacture.

62 BRADIER, J. & R. Wolverhampton, Manu.—Specimens of gun manufacture. Double gun-tube locks; double rifle-locks; musket percussion-locks, &c.

CLASS 8. *Naval Architecture, Military Engineering, Guns, Weapons, &c.*

- 67 BOW, T. 73 St. James's St. Mann.—A central fire double and other guns. Specimen of the manufacture of a gun barrel, &c.
- 68 BECKWITH, H. 56 Skinner St. Snowhill, Mann.—Fowling-pieces, blunderbusses, and other fire-arms.
- 69 BENTLEY & SOX, 12 South Castle St. Liverpool, Inv. and Mann.—Double patent central fire percussion guns.
- 70 WOOLFELD, T. Hertford, Inv. and Mann.—Simply constructed single gun for countries where there are no gun-makers.
- 70 WOODWARD, J. 64 St. James's St.—Fowling piece, with detached waterproof lock.
- 71 BOG, H. 1 Piccadilly, Mann.—Self-priming and double-barrel copper cap fowling pieces.
- 72 GOLDING, W. 37 Davies St. Berkeley Sq. Inv. and Mann.—Double sporting gun, with improvements.
- 75 WILKINSON & SOX, 27 Pall Mall, Mann.—Gun, with spiral recoil spring, for wild-fowl shooting. Fowling pieces. Rifle. Silver-gilt scimitar, ornamented with precious stones, &c. Regulation swords, &c. Highland claymore. Machine for proving sword blades.
- 77 MOORE & GREY, 78 Edgware Rd. Mann.—Double fowling-pieces, two-grooved rifles, and pistols.
- 78 HAWKER, P. Col. Longparish House, near Whitchurch, Hants, Inv.—A stanchion gun, with improved waterproof ignition, forged and stocked on a new principle. Models of two-handed punts containing gun, gear, &c. for wild-fowl shooting.
- 79 POTTS, T. H. Haydon Sq. Minorities, Inv. and Mann.—Double-barrel guns, with improved breeches, bolted triggers, &c. Instrument for drawing the breeches, to be patented.
- 80 JEWELLS & Co. 56 Conduit Street, Mann.—Specimens of military officers' cap-plates, breast-plates, buttons; and naval fancy and livery buttons.
- 81 COX, J. George Mills, Edinburgh, Mann.—Samples of gelatine and glue. Swimming stockings, and safety swimming swan, to assist persons in shipwreck.
- 85 LONDON & MORLAND, 17 Jernyn St. St. James's, Des. and Inv.—Officers' infantry helmet of papier-mâché. Private's helmets.
- 86 WILKINSON & SOX, 27 Pall Mall, Mann.—Illustrations of the manufacture of gun barrels and sword blades.
- 87 WITTON, DAW, & Co. 57 Threadneedle St. Mann.—Rifles for India and Africa. Fowling piece. Duelling pistols.
- 88 POWELL, R. 28 Poland St. Oxford St. Des.—Design for a military cloak coat.
- 89 FLEMING & SOX, 153 Strand, and 13 Conduit St. Bond St. Mann.—Specimens of military and other buttons. Orders, in enamel and silver. Plates for military shoulder-belts, shakos, &c. Swords, Highland dirk, &c.
- 91 HAWKER & Co. 14 Piccadilly, Inv. and Mann.—Military and other head dresses. English military accoutrements. Embroidered banner.
- 92 JOUBERT, P. 13 Peter St. St. Helier, Jersey, Inv. and Mann.—Carriage-gun, with short barrel, embossed and inlaid with gold and silver, &c.
- 93 BERNSTORF, J. Hoxton.—Improved military knapsack, belt, and pouch.
- 95 CAMPBELL, A. F. Great Plumstead, Norwich, Inv. and Pat.—Patent four-wheel barrow. Patent wheels of wrought iron. Patent ship propeller.
- 96 MANTON & SOX, 6 Dover St. Piccadilly, Mann.—Double guns, double rifle, and duelling pistols, and apparatus.
- 99 CORTON, J. Erectheim Club, St. James's Sq. Des. and Inv.—Model of a sailing vessel and life-boat, constructed and propelled on new principles.
- 101 LANCASTER, C. W. 151 New Bond St. Inv. and Mann.—Guns and rifles with elliptic smooth bore, twisted or spirally inclined. Elongated concussion shell, &c.
- 102 SOUTHWOOD, J. King Cross Lane, Halifax.—Three models of a blasting gun. No. 1. For blasting downwards. No. 2. For lifting perpendicularly. No. 3. For cutting sideways or forwards.
- 105 DUTHOTT & Co. 6 Finsbury Pl. South, Des. and Mann.—Aerial tent. Registered portable umbrella tent.
- 106 EDINGTON, B. 2 Duke St. London Bridge, Inv. and Mann.—Tents. Stoves and cooking apparatus for tents. Trophy of flag.
- 107 ASKELL, C. Tottenham, Des.—Gunning punt, with water-tight bulk head and mast, for wild-fowl shooting on the coast. Stanchion gun, with improved India-rubber recoil spring.
- 121 BILES & Co. Nelson Dock, Rotherhithe, Inv.—Model of a merchant ship, with diagonal frame timbers.
- 122 BURGESS, F. 18 Salisbury St. Strand, Prop.—Model of splicing main and top masts, formed by small pieces of wood.
- 123 COLGRAVE, F. E. Round Hill, Brighton, Inv.—Patent anchor spring. Patent slide valve, for diminishing friction. Pair of patent relieving saddle-girth springs, fitted to a saddle.
- 126 GRANTHAM, J. Orange Ct. Liverpool, Inv.—Model of the section of an iron ship, wood sheathing, &c.
- 128 GREEN, Blackwall.—Model of the "Owen Glendower" East Indiaman, built at Blackwall.
- 132 HENDERSON, J. Peterhead, Scotland, Inv.—Model of a steam or sailing vessel, with improved screw propeller.
- 133 HEDLEY, G. Yorks St. Monkwearmouth, Sunderland, Mann.—Model of a merchant-vessel of the first class, to rank A 1 at Lloyd's, fitted with Hughes's new windlass and steering apparatus, &c.
- 134 HALL, J. Bromley, Bow, Middlesex, Prop.—Models of a ship's rudder, and a plan for wearing a ship without a rudder.
- 135 HORN, H. Victoria Cottage, Kingston, Portsea, Des. and Mann.—Model of a 12-gun brig, on a slip for launching.
- 136 HOWE, J. Newcastle-upon-Tyne.—Model of a clipper merchant schooner, complete and in working order.
- 139 LAPHORNE, J. Gosport, Hants, Maker of Sails.—Model of a brig yacht, 450 tons, spars and sails.
- 141 MOORE, W. F. Plymouth, Devon, Mann.—Half model of cutter yacht, Pixey, and of schooner yacht, Halcyon.
- 145 PILKINGTON, J. Gools, Leeds, Inv.—A wrought-iron keelson for wood-built ships: being tubular and water-tight, assists in ballasting vessels when clear of cargo, by opening a valve to admit water, &c.
- 146 SIMONS, W. Greenock, Scotland, Des. and Mann.—Model of a screw frigate. Model of a yacht.
- 147 SMITH, T. & W. Newcastle-upon-Tyne, Prop.—Model of the merchant frigate *Benheim*, built at St. Peter's Dockyard, Newcastle-upon-Tyne.
- 148 SPENCERLEY, J. Whitstable, near Canterbury, Inv.—Patent pillar and screw apparatus, for preventing ships from logging, and for restoring logged ships to their original shear. Patented.
- 148 PELLE, J. JOHNSON & Co. 74 Market Pl. Whitehaven, Inv. and Mann.—Ship screws.
- 149 STEVENSON, T. New Court, New St. Southwark Bridge, Inv.—Model of a ship, with improvements.
- 150 SMITH, H. 208 Rotherhithe St. Rotherhithe, Mann.—A built model of the barque "Ealing Grove."
- 153 TOVELL, G. R. Mistley, Manningtree, Essex, Inv.—Model of a ship's hull, of parabolical form.
- 154 TURNBULL, R. South Shields, Des.—Model of the

CLASS 8. *Naval Architecture, Military Engineering, Guns, Weapons, &c.*

- 226 JEFFREY, WALSH, & Co. Limehouse, Inv.**—Specimen of patent marine glue, showing its utility in naval architecture, and its durability and cleanliness. In the construction of made-masts, it admits of small seasoned Dantiac, or northern timber, being used instead of yellow pine.
- 226 PYM, J. 52 Threadneedle St.**—Model of a submerged paddle-wheel, for propelling vessels, to work wholly or partially under water.
- 229 BAILLIE, B. 118 Wardour St. Soho, Inv.**—Model of a vessel, with improved rigging, mast, and sails for a fore-and-aft rigged vessel. A safety chamber candlestick, with lucifer-match box, save-all, &c.
- 231 BELL, H. Baltic Wharf, Millbank, Westminster, Inv.**—Water grapple, or deep-sea anchor. Sub-marine boat. Diving-ball adapted for locomotion. Life-boat for the beach. A nest of boats for emigrant and troop ships, and men-of-war. Model of a locomotive balloon and locomotive parachute.
- 232 BAYLEY, I. Middle St. Deal, Manu.**—Model of a Deal lugger of 20 tons.
- 233 BOWNEY, W. W. Claremont Villa, St. John's, Fulham, Inv.**—New life-boat, with cells, &c. of gutta percha.
- 235 BROWN, J. 71 Leadenhall St. Inv. and Manu.**—Portable raft for shipwreck, &c. Double-action sofa bed, to prevent sea sickness. Fire-escape scaffold.
- 238 CLARK, J. 10 Parliament St. Westminster, Inv.**—Model of the bunk life-boat: to be used as a cot. Model of a flexible life-boat.
- 240 ELLIS, F. A. Commander, R.N. Gt. Yarmouth.**—Model of a yacht, with a sliding keel, to enable her to go up shallow rivers and over bar-harbours. A method of lowering the mast. A projecting bow, &c.
- 240 ELLIS, F. A. Great Yarmouth, Norfolk, Inv.**—Model of a vessel. New sliding-keel; and plan for lowering or raising the mast with two hands.
- 244 DEWEY, J. Hartlepool, Inv.**—Model and plan of a ship and shore sheet-iron life-boat, to recover herself when upset; provided with a cabin, water tight.
- 245 DYER, W. 51 Mansfield St. Kingsland Rd. Inv.**—Patent life-launch. Life-boat and rafts. "Stone life-boat." "Stone buoy." &c.
- 247 FAWCETT, F. Mount Pleasant, Douglas, Isle of Man, Prop.**—Models of life-boats, on the twin-principle, completely decked over, and divided into twenty air-tight compartments, which can neither be swamped nor upset.
- 248 GALE, G. H. 38 Wind St. Swansea, Inv.**—Hydrostatic apparatus for life-boats, ships, &c. made of gutta percha. A life of surf-raft or boat, &c.
- 249 GALE, J. & R. Whitby, Inv. and Manu.**—Model of life-boat, emptying itself, when full of water, in the short space of four seconds, by means of two apertures in the bottom.
- 250 TWYMAN, H. Ramesgate, Manu.**—Model of a lugger used on this coast for rendering assistance to vessels in distress.
- 252 HARLAND, E. Scarborough, Inv.**—Cylindrical life-boat.
- 253 HODGSON, M. 6 Moor St. Sunderland, Manu.**—Model of a pilot coble, such as ply out of the port of Sunderland, with its cars, sail, and other appointments.
- 256 MONTAGLE, 'The Right Hon. Lord, 7 Park St. Westminster.**—Model of a curragh (curabus), or light row-boat, portable by one man; used for fishing on the north-west coast of Ireland.
- 255 UOLFUM, W. Walmer, Deal, Inv.**—Model of an apparatus for propelling a line to a vessel in distress at a distance from the shore, with wicker boat to travel on a hawser from the shore to the vessel, &c.
- 256 HUGHES, J. Sunderland, Inv.**—Model of steering apparatus. Model of masting-shears, capable of lifting a boiler of 20 tons weight, and adapted to put masts into ships.
- 257 HUBBARD, J. Mylor, Falmouth, Inv.**—Model of a new life-boat.
- 258 JARRETT, W. Looe, Cornwall.**—Model of a 30-foot six-oared gig.
- 260 ROBINSON, J. 6 Pattison St. Stepney, Inv.**—Boats to save life from shipwreck. Patent steering-machines, with a reboundable rudder. Patent machines for raising weights, weighing anchor, &c. Improved pumping-machine.
- 264 PLENTY & PELLEW, Newbury, Berks, Inv.**—A life-boat, of wood, cork, and tarred yarn.
- 266 ROOK, G. H. Landport, Portsmouth, Working Shipwright.**—Model of H.M. steam yacht tender, Fairy, with her entire fittings on the deck, masts, rigging, &c.
- 267 ROSE, J. T. Regent St. Leith, Des.**—Model of a Roman war-galley (Quadrirème), illustrative of Mr. Howell's theory of the Polycrota, that the "banks" were reckoned in the direction of the galley's length, and not from the number of tiers. Design for a timber viaduct.
- 269 SHAW, J. Glossop, Inv. and Pat.**—India rubber air-gun; the requisite pressure of air for one discharge being procured instantly at the pull of the trigger. Patent valve-bugle: the valves applicable to all brass instruments: the patent is now being worked by J. Köhler, Henrietta Street, Covent Garden.
- 271 SLATER & WRIGHT, Whitby, Inv.**—A life-boat and carriage, not liable to upset on being struck by a sea on one side. Jet, from Boulty Alum Works, for making brooches, bracelets, necklaces, rings, &c.
- 272 SPARROW, R. Wexford.**—Life-boat model on an improved principle.
- 275 TRADDLE, W. Gt. Yarmouth, Inv. and Des.**—Model of a coffer-dam, on a new principle. Model of a life-boat and carriage.
- 277 TURT, G. East Hill, Hastings, Manu.**—Model of the new class of fishing lugger, built at Hastings, representing a decked boat of 27 tons burthen.
- 280 ALLAN, J. H. 2 Leadenhall St. Prop.**—Model of a South Shields coble. Model of truss-work, introduced by Sir R. Seppings for the internal fastening of ships, and on the same principle as the girders of the Exhibition Building.
- 281 ANDERSON, R. Westoe, South Shields, Inv.**—Small pattern life-boat, clinker-built, fitted with air-tight ceiling, feathered and grooved up to her gunwales; she has a well holding 44 gallons of water for ballast.
- 282 BATEMAN, J. 101 Upper St. Islington, Inv. and Pat.**—Patent life-boats for 30 persons, and for six persons.
- 284 FORSTER, J. & T. Streatham, Inv.**—Boat, built of wood, coated on both sides with a compound of gutta percha and India-rubber. Accoutrements made of the above, and of a waterproof japanned fabric.
- 285 HUBBARD, C. Dicklesburgh, near Scole, Norfolk, Inv.**—Gutta percha portable boat, for crossing detached inland waters. Miniature working model of a portable wince, for climbing precipices. Case of ornithological specimens.
- 288 BIFFEX, W. Hammersmith, Inv. and Builder.**—A rigged portable expansive boat.
- 291 NOULTON & WYLD, Fore St. Lambeth, Manu.**—London outrigger sculling boat, for racing; the body in one plank, from head to stern, without a join or keel. Model of an eight-oared shallop, with awnings.
- 293 SEARLE & SONS, Stangate, Lambeth, Manu.**—Model of the state barge of the Lord Mayor of London. Fair-oared gig.
- 295 WESTZELL, A. Lambeth, Manu.**—Racing boat,

CLASS 9. *Agricultural and Horticultural Machines and Implements.*

- sowing plough; subsoil plough, invented by Mr. Smith; friction-wheel plough.
- 22 KAYOR, J. Woodford, near Thrapstone, Inv. and Mann.—A patent seed-dibbler for wheat, &c. An ornamental sheep-crib for hay, roots, cake, &c. invented and registered by W. Knight, Esq. of Titchmarsh.
- 23 HARKES, D. Mere, near Knutsford, Inv. and Mann.—Plough, with welded joints. Parallel expanding horse-hoe. Cheese and cider press. Machine for screening clay for making bricks, pipes, &c.
- 24 HEDLEY.
- 25 WINDSOR, J. Oswestry, Mann.—Winnowing-machine, for the purpose of cleaning wheat, barley, oats, beans, peas, &c. Clover seed drill, for sowing all grass seeds and turnips on the flat.
- 25A ALBOP, D. 6 Boome St. Lee, Kent, Inv. and Mann.—Sulphurator and fumigator, to diffuse powdered sulphur more uniformly than can be done by the dredge-box, &c.
- 25B GINGELL, W. J. Bristol, Inv.—Model uniform corn and seed metre.
- 26 BULMAN, J. Kelso, Roxburghshire, Scotland, Des.—Model of a farm steading, erected at Wark, in the county of Northumberland, in the year 1850.
- 27 ALCOCK, T. Redcliffe, near Northampton, Inv. and Mann.—Chaff-cutter, with improved rising roller. Improved two-wheeled iron, and sawing iron plough.
- 28 FOWLER, J. Bristol, Inv.—Draining-plough, adapted for forming a perfect drain, by horse or steam power, on a new system. Windlass, or ceptian, for applying horse-power to the plough.
- 28A FOWLER & FRY, Bristol, Des. and Mann.—Farm cart, adapted for harvest and winter purposes. Low bodied dog-cart.
- 29 SARGENT, C. Long Melford, Sudbury, Suffolk, Inv. and Mann.—Improved clover-thrashing machine.
- 30 CARPENTER, W. Banbury, Inv.—Anti-attribution thrashing-machine.
- 31 HAWNEY, W. Beverley.—Winnowing-machine. Iron modal bridge.
- 32 BENDALL, J. Woodbridge, Mann.—A universal self-adjusting cultivator, for skimming, cleaning, pulverizing, or subsoiling land: patented. A corn-crushing machine for beans, peas, barley, &c.: patented.
- 33 BLACKHALL, J. 23 Upper Gray St. Edinburgh, Inv.—Model of high-pressure boiler, for steaming bones, flax, and food for cattle. Specimen of steamed bone-manure.
- 34 BEART, R.
- 35 MARSHALL, Lt.-Col. W. Newfield Cottage, Craigellachie, Scotland, Inv.—Cereal seed-planting and simultaneously-operating machine, to show the advantage of thin seeding.
- 36 WINDUS.
- 37 BURNELL, C. Thetford, Norfolk, Des. and Mann.—A six-horse power portable steam-engine, adapted for driving agricultural machinery. Registered machine for making hurdles or gates. Registered gorse-cutting and bruising machine.
- 38 STREVEN.
- 38A ARMITAGE and Co.
- 38B MURPHY.
- 41 ELLIOTT, J. Southampton, Inv.—A poor man's closet. Models of farm buildings and of cottages for labourers. Draining level. Specimens of clay tubes, for building roofs and walls of cottages, &c.
- 42 SLOUGH.
- 45 GOLDING, E. Hurstborne Priors, Andover Rd. Inv. and Mann.—Improved rolling barley chumper.
- 46 DAVIS.
- 46B STARKIE.
- 46A RAGO, R. Beverley, Inv. and Mann.—Model of a new tipping waggon.
- 47 CLAYTON, H. Atlas Works, near Dorset Sq. Inv. and Mann.—Machinery and tools for the manufacture of drainage pipes, and for making drains, drawings of kilns, drying sheds, &c.
- 48 MORRIS, J.
- 48A PALMER, R. Bideford, Devon, Inv. and Mann.—Machine for cutting, and reducing to a pulp, turnips, carrots, mangold-wurzel, potatoes, apples, &c.
- 49 DRUMMOND & SOUS, Stirling, Prop.—A grubber or cultivator, made by L. Potter, Bothkennar, near Stirling. A two-horse iron swing plough, made by J. Barrowman, of Saline, Fifeshire.
- 50 BECKFORD.
- 51 SEAWARD, W. Oulton, Wakefield, Des.—Tree-remover, for transplanting large shrubs and trees. Conifera supporter, to prevent cypruses, arbor-vitse, &c. from being broken down by snow, &c.
- 52 JONES, E. 126 Leadenhall St. Inv.—A Irish mow, adapted to the preservation of corn in the harvest-time of rainy seasons.
- 53 COOCH, J. Harleston, near Northampton, Inv. and Mann.—Patent winnowing or dressing-machine. Barley hummeller. Patent sack-holder, invented by H. Gilbert, of St. Leonard's-on-Sea.
- 54 SPILLER & TAYLER, Lombard Rd. Battersea, Inv.—Machine for cleaning wheat and other grain.
- 55 ABBOTT, W. Bideford, Devon, Inv.—Common plough, with wheel behind. Improved machine or apparatus for drying malt.
- 56 CHERNEY, S. March Cambs, Inv.—Land-presser particularly adapted for fen-land.
- 56A KERS, B. 9 Lower Ter. Islington, Des.—Lady's garden rake, consisting of a hoe, spud, and rake, all in one.
- 57 NEWBERRY.
- 58 BOYCE, G. Hetland, Market Deeping, Inv.—Patent self-acting rearing-sieve for corn and seeds. Patent smut-machine, and general corn-cleaner.
- 59 WHISAW.
- 60 BECKFORD, T. & GOULDING, W. Highfield Farm, Wargrave, Henley-on-Thames, Inv. and Mann.—Model circular mowing and tedding machine, to be drawn by one horse.
- 61 RODENHURST, W. & J. Market Drayton, Mann.—Compound screw and lever cheese-press. Hay or straw cutting machine.
- 62 GILL and WARD.
- 63 WATT, J. Biggar, Scotland, Imp. and Mann.—Improved broad-cast sowing-machine, for grain and grass seeds.
- 65 BRIG, T. Leicester House, Great Dover St. Southwark, Inv. and Mann.—Improved apparatus for sheep-dipping.
- 66A AMOS, J. King St. Bristol, Mann.—Improved barrel churn.
- 67 SHANKS and SON.
- 68 WHITFIELD, J. A. Pelaw Staith, near Gateshead, Inv.—Improved grappling or dredging-iron, for drawing from the water the bodies of persons apparently drowned.
- 69 JOLLY, J. Aylesbury, Mann.—Church and stand; milk-pails; butter-tub; butter prints and boards; milk-strainer.
- 69A BLAIRIE.
- 70 JEWISON, J. Frodingham, Dunfield, Yorkshire, Inv.—York's corn stacks. Stack-level, to assist the stack-builder. Hedge models, &c.
- 71 FORD.
- 72 HART, C. Wantage.—A registered universal portable mill, for splitting or grinding all sorts of farm produce into fine meal.

CLASS 9. *Agricultural and Horticultural Machines and Implements.*

- 72A PHILLIPS, G. Harrow-on-the-Hill, Manu.—Improved collateral beehive, made of wood, glass, and zinc.
- 73 FRANCE, A. Stirling, Manu. and Des.—A drill-plough for green crops. A green-crop grubber.
- 74 SHERIFF, T. West Carns, near Dunbar, N.B.—A machine for sowing grain, being an improved drill. A machine for dressing grain, or improved winnowing machine.
- 74 SHERIFF, T. West Barnes, near Dunbar, N. B. Manu.—A machine for sowing grain, being an improved drill, with land-measurer attached. A winnowing-machine.
- 75 BERNETT, H. Liverpool, Manu.—Model of a self-cleaning roller. Mill for mixing provender for drill sowing, &c. Gorse-cutting machine. Mill for kibbling beans, oats, &c. Oilcake crusher, &c.
- 76 WOODROUSE, J. Kingsley, near Alton, Manu.—Machine for bagging hops by pressure.
- 77 FRANCE.
- 78 GILBERT, J. Brailes, near Shipston-on-Stour, Inv. and Manu.—Chaff engine. Model rick ventilator: patent. Mill for splitting, bruising, and grinding beans, oats, and barley. Self-acting alarm gun.
- 80 SWAN, R. F. Boxford, Suffolk, Inv. and Manu.—Model of a tipping waggon.
- 81 MACKAY, W. H. Swansea, Inv.—Machine for mowing hay or cutting corn.
- 83 CORNER, J. Burbridge, near Nantwich, Chester, Inv. and Manu.—A chaff-cutting machine, with three knives, makes five different lengths of chaff. Chaff-cutting machine, with two knives.
- 84 TRUMAN, ROW, & HANSON.
- 85 SELLAR & SON, Huntly, near Aberdeen, Inv. and Manu.—Double mould, or drill plough, with improved mould-boards. Swing plough.
- 86 JAMES, J. & Co. 24 Leadenhall St. Manu.—Patent crane, for raising and weighing goods at one operation. Patent weighing machines, and weigh-bridge.
- 87 BOWLEY, J. J. Rowthorne, near Chesterfield.—Improved machine for dropping peat, bone-dust, turnip, rape, or mangold seed, &c.: patent. Improved corn-dressing machine: registered.
- 88 DRUMMOND, P. R. Perth, Inv. and Manu.—Anti-metallic table churns, with six actions.
- 89 READ, R. 35 Regent Circus, Inv.—New patent watering engine. Horticultural machine, and syringes, &c. New patent stomach pump. Aperitive fountain. Injecting instruments for removing obstructions of the bowels of animals. Improved hollow probang for relieving choked bullocks, &c.
- 90 ROBERTS.
- 90A WOOD.
- 91 BROWN, D. R. 2 Alexandrian Lodge, Old Kent Rd. Imp.—Registered barometer, manufactured by L. P. Casella and Co. Hatton Garden. Patent instruments for fumigating plants, to destroy insects, &c.
- 91A JORDAN, T. Billericay, Essex, Inv. and Manu.—Improved plough.
- 92 FETTT, W. J. Sudbury, Suffolk, Inv. and Manu.—Temple and collateral beehives.
- 92A NUNN, ALICIA, 2A Wellbeck St. Cavendish Sq. Inv.—A new self-cleaning solid pulp-blotting roller. New chemical churn, and process by which butter is preserved from becoming rancid.
- 93 MORRISON & SON, Banff, Scotland, Prod.—Samples of yellow turnip and seed, cultivated in Banffshire and Aberdeenshire; Aberdeenshire, or Gordon yellow turnip, and seed; Williamson's Swedish turnip, and seed; Birtheromb yellow turnip, and seed.
- 94 BROWDIE.
- 95 CROWLEY & SON, Newport Pagnell Bucks, Inv.

- and Manu.—One-horse cart, with newly invented tipping apparatus. Hames. One-horse universal hoe.
- 96 BROWDIE, W. Airdrie, Scotland.—Brodie's registered drain-tile and pipe-machine.
- 96 LAW.
- 98 CLARK, J. Kirkton Blantyre, by Hamilton, Scotland, Manu.—Plough.
- 100 ISTANCE.
- 101 EFTS, W. J. Maldstone, Inv.—Sulphurator, for throwing flour of sulphur in a diffused state upon grapes, hops, peas, roses, &c. for the purpose of destroying the mould or mildew.
- 102 FYFE, W. W. 30 Hamilton Pl. Edinburgh, Inv.—Siphon apparatus, for the washing of sheep, and improving the growth of wool by the copious application of pure water.
- 103 BRECOS.
- 104 PORTON, G. Grongfoot, Linlithgow, Scotland, Inv. Imp. and Manu.—Improved swing-ploughs; drill plough; bean-sowing machine.
- 105 THOMPSON, G. 18 Gt. George St. Westminster, Inv.—Patent machine for digging and turning over earth, which may also be used as a cultivator or scarifier.
- 106 HALSTEAD & SONS, Chichester, Inv. and Manu.—Improved iron ploughs, and oil-cake breaker.
- 107 WILLIAMS.
- 108 REEVES, T. R. & J. Bratton, Westbury, Wilts. Manu.—Liquid manure distributing cart, and liquid manure drop-drill, invented and patented by T. Chandler, of Aldbourne, Hungerford, Berks.
- 109 MAYNARD & SON, Bedford, Des. and Manu.—Improved Bedfordshire one-horse cart, mounted on an improved iron axle.
- 109A COTTAM & HALLER.
- 110 CARSON, H. Watlington, Wilts, Manu.—Scarifier, invented by H. Carson. Patent turnip-cutter, patented by K. Moody, of Malden Bradley. Cheese press, with double lever. A set of six harrows, particularly adapted for wet lands.
- 111 MARYCHURCH, J. Haverfordwest, South Wales, Manu.—Winnowing-machine. Chaff-cutter. Turnip-cutter formed of a cylindrical barrel.
- 112 PARSONS, J. Craven Farm, Stamford Hill, Inv. and Manu.—Model of a digging machine.
- 113 LOMAX, W. R. Uxbridge, Inv. and Pat.—Lomax's patent chaff and turnip cutters.
- 114 HAYWARD, G. Crewkerne, Inv. and Manu.—Plough, with drilling-machine attached, for sowing all kinds of corn, and turnip seed, with or without dry manure, &c.
- 115 BUTLER, W. Northampton, Des. and Manu.—Four-horse power steam-engine, simple in design, economical in fuel, low in price.
- 116 HODGES & SONS, 16 Westmoreland St. Dublin, Manu.—Improved safety kettles, and improved steaming apparatus.
- 117 HAYES, J. Elton, Huntingdonshire, Des. Inv. and Manu.—Grinding-mill, to grind barley into soft meal for pigs, and to split beans.
- 119 HOWTER, W. & J. Samuelston, Haddington, Scotland, Inv. and Manu.—Lever grain drilling-machine.
- 120 SMOLL, J. 33 Lamb St. Spital Sq. Inv.—Castle bee hive, as in use at the royal farm, Windsor; observatory bee hive; specimens of honey, &c.
- 121 GLOVER, W. Warwick, Manu.—One-horse cart for general purposes.
- 122 MAYNARD & SON.
- 122A SERVICE.
- 123B USHER, J. Edinburgh, Inv.—Model of locomotive steam-plough; the ploughs revolving behind the carriage act as propellers: patent.
- 123A ELL.

CLASS 9. *Agricultural and Horticultural Machines and Implements.*

- 123c JONES, P. High St. Fulham, Prop.—Portable hand garden engine, forces the water in a continuous stream upwards of forty feet.
- 124A COWAN, H. Corstorphine, Edinburgh, Inv. and Manu.—Self-cleaning two-horse grubber.
- 125 FAXON, J. Kaling, near Brentford, Inv.—Improvement on water-power, for grinding corn, &c. Registered.
- 126 ROBINSON, W. Keyingham, Inv. and Manu.—Corn-dressing machine, for dressing, blowing, harifing, and blowing and harifing combined. Harif machine. Patent straw-shaker, &c.
- 127 WEDLAKE, MARY, & Co. Hornchurch, near Romford, Essex, Manu.—Patent improved haymaking-machine, rake, winnowing-machine, ploughs, horse-hoe, and scarifiers. Improved machine for bruising oats. Machine to bruise gorse or furze. Oil-cake mill. Turnip and chaff-cutting machine, &c.
- 128 BARRETT, KEALL, & ANDREWS, Kategrove Iron Works, Reading, Manu. and Inv.—Self-lubricating and double-faced slice-cook. High-pressure Brunel steam engine: the cylinders, force-pump, &c. of this engine are all made in one entire casting. Patent safety gear-work. Portable steam engine. Thrashing, cutting, crushing, bolting, haymaking, and other agricultural machines. Ploughs, harrows, manure-carts, &c.
- 129 GIBSON, M. Newcastle, Inv. and Manu.—Northumberland clod-crusher, for wet land, &c.; also used on young wheat for the wireworm, and for making drills for clover and other seeds.
- 130 LANFITT, C. Banbury, Inv. and Manu.—A horse seed dibler, patented.
- 132 BALK, W. Rothwell, near Kettering, Northamptonshire, Inv. and Manu.—Criterion prize ploughs made of iron, with steel or cast-iron furrow-turner. Two-horse wagon, either with pole or shafts.
- 133 JONES, E. Great College St. Camden Town, Inv.—Machine for moulding bricks and tiles, with pug-mill attached. Model of the exhibitor's patent, with important additions and improvements.
- 134 LAYCOCK.
- 135 CHOSKILL.
- 136 GRINDLEY, T. of Oxford, and RANDALL & SAUNDERS, of Bath, Inv.—Brick and tile presses. Model of kiln and drying-room. Patent draining tiles. Hollow bricks and tiles. Model of fire-proof cottages, &c.
- 137 RICHMOND & CHANDLER, Manchester, Inv. and Manu.—Corn-crusher, chaff-cutting machine, grain-crusher, chaff-machines, &c.
- 138 GILLAN, J. Woodstock, Inv.—Seed-cleaner and separator.
- 139 TAYLOR, G. Bury, Lancashire, Inv.—Locomotive shearing and mowing machine, worked by hand.
- 139A ROBINSON & SON, Coventry Manu.—Model churn.
- 140 HILL, E. & Co. Brierley Hill Works, Dudley, Inv. and Manu.—Skis for paring stubbles, turf, &c. Expanding horse-shoe. Wrought-iron gates and posts. Continuous iron fencing, hurdles, &c.
- 141 BROOKS, M. Batley, near Dewsbury, Inv. and Manu.—New machine for reaping corn.
- 141 MAPPLESSEX & LOW.
- 142 SLINGER, J. 34 Leith Walk, Edinburgh, Manu.—Subsoil trench plough; an improvement on Read's by the Marquis of Tweeddale. The Tweeddale trench plough. Model of Henderson's patent derruk cranes.
- 143 GARRATT & SON, Leiston Works, Suffolk, Inv. and Manu.—Drills, horse-hoes, thrashing machines, portable steam-engines, hummelling and corn-dressing machines, chaff-cutters, crushers, ploughs, corn-reaping, harrows, and other agricultural machinery.
- 143 DE EREBY, LORD WILLOUGHBY, 143 Piccadilly, Inv.—Machinery to plough land, with stationary power engine: the ploughs travel at five miles per hour.
- 143 COMINS, J. South Molton, Inv. and Manu.—Wrought iron horse-hoe. Oneway turnovers or turnrest plough for hilly land. Subsoil pulveriser. Harrows, &c.
- 144 A. ELKOTT, G. Farnham, Inv. and Manu.—Hop bagging-machine, for bagging hops when dried, of a new construction: will bag two tons of hops in a day.
- 144 SQUIRE, W. March, Cambridgeshire, Manu.—Eoad wagon, and improved plough.
- 145 TROTTER, W. Bywell, Stocksfield, near Gateshead, Inv.—Model of reaping machine for cutting corn with revolving knives.
- 146 POWDER, W. R. Goldhanger, near Maldon, Essex, Inv.—Bee-house, or hive.
- 149 GROUSEKILL, W. Louth, Lincolnshire, Manu.—Improved patent drop drill. Registered corn-dressing machine. Registered corn and turnip hoe.
- 149 HESMAN & SON, Castle Works, Woburn, Inv. and Manu.—Four-horse power portable steam-engine. Patent bolting thrashing-machine, complete. Eight-row patent cup-drill, with independent steering. Patent Vandyke hand thrashing-machine. Patent iron ploughs.
- 150 GRAY & SON, Uddington, Manu.—Farm cart; ploughs. Subsoil pulveriser. Drill grubber. Parallel horse-shoe. Canadian chaff cutter. Scotch thrashing machine.
- 151 WILLIAMS, W. Bedford, Inv. and Manu.—Patent four-beam iron harrows. Patent wrought-iron ploughs. Chaff-engine. A machine for making drain pipes and tiles, &c.
- 152 ROBE, R. M. Langholm, Des. and Manu.—Sheep-dipping machine, for applying sheep-washing compositions.
- 152 ROBE, R. M. Langholm, Dumfries, Scotland, Des.—A sheep-dipping apparatus and sheep carriage, in one machine.
- 152A MOREWOOD & ROGERS, Steel Yd. Wharf, Upper Thames St. Inventors.—Specimens of galvanized tinned iron, used in the erection and roofing of buildings, &c. Patent compound iron and lead sheet and wire, iron and copper wire, iron and brass wire, and tin-plate. Model of farm-yard and buildings, agricultural implements, &c.
- 154 BLYTH, R. J. Norwich, Inv. and Manu.—Portable horse works. Registered portable bolting thrashing machine, for steam or horse power.
- 155 FAIRLESS, T. Corbridge, near Hexham, Northumberland.—Reaping machine for cutting corn and hay. Improved pump.
- 156 SADLER.
- 157 COOPER, J. G. 9 Yeoman's Ter. Brompton Rd. Des. and Manu.—Model of a garden pavilion of iron wire-work, with seats; to support climbing plants, with an aviary.
- 157A RUDD, T. 16 Ebury Sq. Pimlico, Inv. and Manu.—Improved patent hand-thrashing machine; mounted upon carriage wheels, and remains so when at work. Working model of improved machinery, for working marble, stone, &c.
- 158 HALL, A. Bank Buildings, Manchester.—Garden net, and insect feeder. Substitute for glass hot-houses, for a slow conductor of heat, &c. Canvass for embroidery, with printed designs, to be covered by the worker.
- 161 NIXON.
- 170 WILMOT, E. W. Congleton, Des.—Model of farm buildings for a farm of about 300 acres, with labourers' cottages.
- 179 SMITH, A. K. Exminster, Inv. and Maker.—Rotary screening machine.
- 180 DEAN, DRAY, & DEAN.
- 181 WHITE, J. 266 High Holborn, Inv. and Manu.—Machine for converting gorse into nutritious food for cattle,

CLASS 9. Agricultural and Horticultural Machines and Implements.

- 238 CAMBRIDGE, W. Temple Gate, Bristol, Inv. and Pat.—Patent press-wheel roller, or clod-crusher.
- 239 WITTEBRAD, J. Preston, Lancashire, Inv. and Manu.—Machines for the manufacture of draining pipes and tiles. New machine for making and pressing bricks.
- 240 HOWARD T. & F. Bedford, Inv. and Manu.—Patent iron ploughs. Swing-plough and double breast or moulding-plough. Subsoil-plough. Double-furrow plough. Iron harrows. Patent horse rake. Improved double-action corn-mill, horse-power gear-work, &c.
- 241 HOLMES & SONS, Prospect Pl. Norwich, Inv. and Manu.—Machine for thrashing, &c. Drilling and sowing machines. Registered horse-lever rake. Barley awler. Corn-dressing, or winnowing machine. Hand barrow drill. Turnip and mangels-cutter, &c.
- 242 CLAYTON & SHUTTLEWORTH.
- 243 BROWTON, J. Halifax.—Beehive, or bees'-skip, for taking honey without destroying the hive or bees.
- 244 MARROTT, J. 74 Gracechurch St. Des. and Manu.—New cottage bee-hive. Specimens of finished and unfinished comb.
- 245 WEATHERSTONE.
- 246 WEST, W. Leicester, Inv. and Manu.—Drill, for sowing corn and turnips. Hand seed-drill, to work with cups, &c.
- 247 COTTON & HALLIV.
- 248 M'CAHNEY & DREYMOND, Cumbdock, Des. and Manu.—Thrashing-machine, in cast-iron framing, with riddles, fans, and elevators. Improved construction of horse-wheel, and other parts of gearing. A peg-humeller, for thrashing barley.
- 248A WRENK, J. & Co. King's Rd. Chelsea, Inv. and Manu.—Cylindrical revolving furnace bars. Model of a conservatory, glazed light, &c. Pedestal, and stack of pipes for warming buildings by hot water, &c.
- 248B THOMPSON, H. A. Lewes, Manu.—Set of entrance gates, constructed upon improved principles. Steam cooking apparatus. Cast-steel measures for corn, &c. Forcing-pumps, &c.
- 249 WILSON, J. Kelsø, Roxburghshire, Des.—Model of an improved seed-box for a turnip-sowing machine.
- 250 BROWN & ARNOLD, Halesley, Tyne Side, Newcastle-upon-Tyne, Inv. and Manu.—Miniature model machine for cleaning corn and grain.
- 252 PHILLIPS, C. & Co. Baptist Mills Foundry, Bristol, Manu.—Patent turnip-cutter, with reversing motion.
- 253 FLEMING, G. Trentham, Newcastle-under-Lyme, Inv.—Machine for destroying weeds, moss, lichens, &c. on gravel-walks, court-yards, &c.
- 254 BALSTON, W. Mallesburgh, Newton, Mearns, Renfrewshire, Scotland, Inv. and Manu.—Winnowing-machine, with cloth and revolving brush, for separating the grain from burrs.
- 255 SIKEE.
- 255A STOKES, W. Dean, near Shepton Mallet, Somerset, Inv.—Treble cheese-press, and curd-mill.
- 256 SMITH, Jno.
- 257 KEY & MITCHELL, 103 Newgate St. Prop. or Agents.—Patent American churn (English) made by C. J. Anthony, of Pittsburgh, U. S. Kase's force and suction pumps. Turnip-cutter. Hose for fire-engines, &c. made of canvas, lined and coated with gutta percha. Lift-pump, made entirely of gutta percha.
- 257 WARREN, J. Heybridge, near Maldon, Essex, Inv. and Manu.—Turn-wrist and other ploughs. Revolving calendar-roll. Vegetation-hoe. Alarm gun, &c. Skim plough, for hoing and cleaning land.
- 257A JOHNSON, T. (with Mr. Kinnear), Newcastle-upon-Tyne, Inv.—Model of a machine for sowing wheat and barley, with harrow attached.
- 258 M'PHERSON.
- 259 BURGHAM, C. Fincham, near Lynn, Inv. and Manu.—Model of a steam and human-power cultivator, or universal tillage machine and irrigator.
- 259A HAY, J. Florabank, Haddington, Inv.—Implement for cutting turnips for sheep and cattle.
- 259B BRUCE.
- 259C WINTON.
- 260 LOWCOCK, H. St. Peter's St. Tiverton, Inv. and Pat.—Lowcock's patent turn-wrist plough, &c. manufactured by R. Adams, of Marston.
- 261 RICHARDSON.
- 262 SEAL, S. Wakefield, Manu.—Scythe-stones. Grindstones.
- 262A CRAIG, J. & Co. Paisley, Manu.—Drain pipes and tiles, for field drainage, made from common clay.
- 263 DUGES LA TOUCHE, Rev. T. Killenault, Ireland, Inv.—Models of a cart, of an under carriage with high fore-wheels, of a grubber, harrow, and turnip-dibbler. Machine for making butter without handling. A ball-iron, for horses.
- 264 LOW, A. 73 Overgate, Dundee, Scotland.—A mouth-bag for horses, with gauze-wire front. Double water-furrow roller plough.
- 265 HOLMES, W. Howden, Yorkshire, Inv.—Springing thrashing instruments. Life-boat, constructed so as to prevent upsetting from a sudden gust of wind.
- 266 SMITH, A. & W. & Co. Woodside Works, Paisley, Inv. and Manu.—Registered centrifugal churn for making butter. Steam apparatus, for cattle food. Corn and bean bruising, and hay and straw-cutting machines. Weighing-machines. Models of water-wheel and sugar-mill.
- 267 GRANT, J. C. Stamford, Inv. and Manu.—Patent lever horse-rake. Patent harrows. Improved haymaking, chaff, and weighing machines. Improved iron ploughs, whippetrees, garden drill, mill for grinding beans, Uley cultivator, Norfolk dock or thistle extractor, &c.
- 268A STRAET, J. Aberdeen, Des. and Manu.—Two-horse plough, with double or single mould-board, and shifting coulter; subsoil plough, &c.
- 269 STRAET, T. Farthinghoe, Brackley, Northamptonshire, Inv. and Manu.—Clod-crusher. Telescope ladder. Propeller for a ship, very simple, but of great power. Table convertible into a bed, chest of drawers, &c. Two tables, as specimens of British woods. Set to shut up, for the pocket.
- 269A SANDERS, S. Birmingham, Manu.—Improved garden spades, draining tools, and shovels.
- 269B FORKES.
- 270 SMITH, W. Kettering, Northamptonshire, Inv. and Manu.—Improved double-blast winnowing-machine. Newly-invented horse-shoes.
- 271 TUNFORD & SONS, Iron Works, Boston, Lincolnshire, Manu.—Patent portable housed steam-engine.
- 272 FLINT.
- 273 YOUNG & Co..
- 274 FERRARIS & SONS, Phoenix Iron Works, Stroud, Manu.—Chaff-cutter. Patent grass-cutter. Set of registered screw-wrenches.
- 275 LOWAN OF BIRMINGHAM.
- 276 SMITH, W. Hadcliffe-on-Trent, Notts, Manu.—Improved corn-dressing or winnowing-machine. Safety chaff-cutting machine.
- 401 CRUMP, T. Derby, Inv. and Manu.—Garden-engine, or portable fire-engine. Liquid manure pump. Instrument for singeing horses with gas.
- 248 ROBERTSON, G. Allerdice St. Stonehaven, Scotland, Inv.—One-horse cart for agricultural purposes.
- BUTTERLEY, R. Greenhill, Sheffield, Manu.—Reaping-hooks, sickles, Andrew hook, Kendal hook, bean or brushing hook, Scotch hook, baggin and yowing hooks, &c.

CLASS 10. *Philosophical, Musical, Horological, and Surgical Instruments.*

- 274A EVANS, W. Brecknock, South Wales.—Artificial leg, to enable persons who have lost the knee either to walk or ride.
- 276 CLARK, F. 13 Park Side, Knightsbridge, Inv. and Mann.—New invented adjusting spectacles and opera glasses.
- 278 HYAMS, H. 59 Cornhill, Inv. and Mann.—New object-glass, consisting of a single piece of glass. Improved Stanhope lens.
- 279 WEARER, H. 129 Oxford St. Mann.—Invisible steel spectacles, and other spectacles and hand-glasses.
- 280 WHITMOORE, N. 2 Cranbourn St. Prop. and Mann.—Artificial eye, artificial silver nose, opera-glass, spectacles, &c.
- 283 BRATHEWAITE, S. 169 Kirkgate, Wakefield, Inv. and Mann.—Registered ventilating eye-shades.
- 284 STARR, R. M. 1 Hope St. Edinburgh, Inv. and Mann.—Microscopic objects, in gutta serena cells, intended as a substitute for glass cells, being equally durable, and much cheaper. Slides for opaque objects.
- 285 JORDAN, C. 37 Chapman St. Manchester, Inv. and Mann.—Illuminative instrument, for inspecting the ear, &c. Instrument for the inspection of the eye. Instrument for illuminating moulds in iron-founding, &c. Ivory concentric shells, turned from the solid ball. Specimens of all the useful metals and alloys, showing the surface and fracture.
- 286 SOLOMON, J. 23 Red Lion Sq. Mann.—Registered papier-mâché opera glasses, eye protectors, &c.
- 287 KING, T. D. Bristol, Des. and Mann.—Compound achromatic microscopes, &c. Improved spherical prismatic illuminator.
- 289 BRANAM, J. St. Augustine's Parade, Bristol, Inv. and Mann.—Spectacles from their earliest invention; various modes adopted by Sir Isaac Newton, Drs. Kitchiner, Wollaston, and Herschell. Lenses, &c.: registered. Trigonometer. Herapath's registered blow-pipe.
- 290 BOWLEY, J. Wolverhampton, Mann.—Improved spectacles. Spectacles worked out of best cast-steel; weight, 2 pennyweights. Wire-gauge eye preservers. Hand-spectacles, eye-glasses, &c.
- 291 MAYALL, J. E. 433 West Strand. Prod.—Daguerreotype panorama.
- 291A LADD, W. 29 Penton Pl. Walworth, Mann. Case of instruments for pneumatic experiments. Compound microscope, with chain and spindle in lieu of rack and pinion, now in use. Registered.
- 291A LADD, W. 29 Penton Pl. Walworth, Mann.—Apparatus for experiments in pneumatics, &c.
- 292 BEARD, R. 85 King Wm. St. City, Pat.—Photographic pictures by a new process, whereby daguerreotypes are enamelled.
- 293 DILLON, T. A. 1 Upper Buckingham St. Dublin, Inv.—A substitute for the safety fuse galvanic battery, in blasting operations. Hydrostatic electro-magnetic engine. Portable photographic camera.
- 294 KILBURN, W. E. 234 Regent St. Prod.—Photographic miniatures.
- 295 PAINE, W. 5 Trinity Row, Islington, Prod.—Photographic pictures, showing the progress of the art.
- 296 CLAUDET, A. F. J. 18 King Wm. St. Charing Cross, Inv.—Photographic plates and pictures, and apparatus for photographic purposes.
- 297 HENNEMAN & MALONE, 122 Regent St. Westminster, Des.—Talbotype apparatus of improved design, made by J. Newman. Talbotype pictures. Talbotypes tinted by means of caustic potash and a lead salt. Specimens of Sir J. Herschell's Cyanotype and Chryso-type, and of Mr. Robert Hunt's chromatype pictures.
- 298 HAYWARD, E. L. & W. 196 Blackfriars Rd. Inv. and Mann.—A gauge, for ascertaining the thicknesses and weights of plates and rods of metal, &c. Sheringham's registered ventilator.
- 299 TYRRE BROTHERS, 44 Regent's Circus, Piccadilly, Prop.—Daguerreotypes.
- 301 SADD, W. Wandsworth, Inv. and Prop.—Aerial machine.
- 302 BRIGHAM, R. J.—Talbotype pictures.
- 303 COLLA, R. & L. 168 New Bond St. Prod.—Sun pictures, on paper.
- 306 LEONARD, S. W. 11 Upper Stamford St. Des.—Illustrations of the use of the microscope for detecting adulterations, and for discoveries in minute anatomy.
- 308 SHARP, S. New George St. Sheffield, Mann.—Set of ten lenses for a single microscope, from 1-10th to 1-100th of an inch focal length.
- 309 WRAY, W. 43 Havering St. Commercial Rd. East. Inv. and Mann.—A seven-feet achromatic telescope, into which a solid substitute is used in place of flint glass.
- 317 DEXTON, J. B. Gray' Inn Sq. Inv.—Specimens of model or relief mapping. Workman's draining-levels.
- 318 PENNOZ, F. C. 4 Trafalgar Sq. Inv. and Prop.—Spiral compasses.
- 320 ELLIOTT & SOSS, 56 Strand, Mann.—Drawing instruments. Dumpy-level. Theodolites. Transit instrument. New instrument for measuring distance. Telescopes. Opera-glasses. Standard English yard. Slide-rule. Azimuth and altitude instrument, &c.
- 320 Typhodetector, or storm pointer, an instrument for obtaining, by inspection, the bearing and relative position of a revolving storm or hurricane, by Lieut.-Colonel Lloyd, constructed in accordance with the system, commonly called the law of storms, as made known in several publications by Colonel Reid.
- 322 DOBSON, J. 268 High Holborn, Mann.—Complete magazine set of drawing instruments in electrum or British metal. A variety of smaller sets.
- 324 TREX & CO. 23 Charlotte St. Blackfriars Rd. Mann.—Ewart's improved gauge for computing the carcase weight of live cattle, &c. Rules, scales, &c.
- 325 FURVIE, J. Newcastle-upon-Tyne, Inv.—Mechanical square, containing a plumb-rule, a spirit-level, square-level, foot-rule, and slide-rule.
- 327 TOWNS, W. 19 Stangate St. Lambeth, Inv.—Spirit meter on a new principle.
- 328 HAGGARD, W. Bank of England, Inv.—A double protractor, three inches square.
- 328 STRICLAIN & HOCKLEY, 42 Gerard St. Soho. Des. and Mann.—Artificial teeth, &c.
- 330 BERR, T. Oldham.—Measuring and dividing machine. Rules, marked and divided by the machine.
- 331 GRIFFITH, J. Darley Parsonage, near Derby, Des.—Standard barometer, manufactured by J. Davis, Derby.
- 332 YEATZ, G. 2 Grafton St. Dublin, part Des. and Mann.—Barometers, theodolites, simple and effective air-pump, improved prismatic compasses, optic square, spectacles, &c.
- 333 DE GRAYE, SHORT, & FANNER, 59 St. Martin's-le-Grand, Mann.—Assay balances and weights. Hydrostatic balances and weights. Diamond balances. Weights and measures, &c.
- 334 OERTLING, L. 13 Store St. Bedford Sq. Mann.—Chemical and other balances of delicate construction.
- 335 BROWN, S. 6 Marlborough Pl. Kennington Cross, Inv.—Patent power-engines and water-meter, and water and spirit meters.
- 338 SAND, J. Kirkcaldy, Scotland, Inv. and Mann.—Self-acting calculator of surface. The area of any figure drawn on a plane is found by moving the tracer over the outline, however irregular it may be.

- St. Inv.—Electro-magnetic railway-train alarm, for communicating with the engine driver from any part of the train.
- 413 PARRIS, W. J. 25 Newington Cres. Mann.—Artificial teeth, &c.
- 413 WATSON, H. Newcastle-upon-Tyne, Inv. and Mann.—Armstrong's hydro-electric machine, the production of electricity from steam, &c. Safety lamps, used in the coal mines. The steel mill used for producing light before the introduction of the safety lamp.
- 413A ILWORTH, S. (of Denmark), Finch St. Handsworth, near Birmingham, Inv.—Working model of a patent electro-magnetic engine. Wooden model of improved construction.
- 414 NICHOLS, W. Cambridge, Inv.—Electro-magnetic alarm, for the protection of property against robbery or fire.
- 417 CANNISWELL, J. Winchmore Hill, Edmonton, Inv.—Electro-magnetic motive engine.
- 419 CHROSS, J. 26 Bouverie St. Fleet St. Inv.—Galvanic arrangement for purifying water and preserving animal substances. Sulphate of lime crystallised by a water battery. Hides tanned by galvanism.
- 419 WHEWELL, F. 9 John St. Adelphi, Des. and Inv.—Self-acting feeding-trough for poultry, &c. Telephonon, or speaking telegraph. Gutta percha telephone. Railway trains communicator. Gutta percha tube and lathe-band, as first made at the Society of Arts in 1845. Subaqueous insulated electric telegraph conductors. Battery protector. Telegraphic private code box. Model to illustrate the hydraulic telegraph. Geological glass model, showing stratifications, mining operations, sewage works, &c. Centrimetrical chronometer, made by Johnston, Clerkenwell, indicating the speed of railway trains, &c. Comparative plan of that part of the City of London which was destroyed by the great fire in 1666. Patent glass pipes to insulate and protect the wires of electric telegraphs under ground. Patent multi-tubular pipe of glazed earthenware, manufactured by W. Northern, Vauxhall. Chess-board, of enamelled slate, executed by Mr. Magnias, Pimlico. Chain pipes for submarine telegraph.
- 420 HARRISON, C. W. & J. J. Richmond, Inv.—Electro-magnetic engine, for producing a motive power on a new principle.
- 422 BRETT, A. 138 Holborn Bars, Prop.—Brett and Little's patent electric telegraph, alarm bell, bell handle, and battery, with underground arrangement of conductors, &c.
- 423 WINTER, J. 44 Littlewood House, Leeds, Mann.—Walking-stick, containing an electro-galvanic machine and battery complete.
- 424 SMITH, G. R. 16 De Bouvoir Ter. Culford Rd. Inv.—Comic electric telegraph and key-board.
- 425 BURDERT, J. 28 Hanover Sq. Clapham Rd. Inv.—Domestic telegraph, requiring only one bell for any number of rooms.
- 426 ALEXANDER, W. 52 West Register St. Edinburgh, Inv.—Model of an electro-magnetic telegraph, worked by means of voltaic currents through metallic conductors.
- 427 REID, W. 25 University St. Inv. and Mann.—Electric telegraph instruments, adapted for hotels. Specimens of insulated wire, for sub-marine electric telegraphs, &c.
- 428 HENLEY, W. T. 46 St. John's St. Rd. Clerkenwell, Inv. and Mann.—Large permanent horse-shoe magnet, weighing 6 cwt.; magneto-electric machine; patent electric telegraphs, worked by the magneto-electric current.
- 429 MCNAIN, A. & Co. 33 Oswald St. Glasgow, Inv. and Mann.—Conductor for electric telegraphs, consisting of a copper wire insulated with gutta percha, and inclosed in a leaden tube.
- 429 BERRY, J. & J. W. 2 Hanover Sq. Pat. and Prop.—Electric printing telegraphs. Communicator or corresponding apparatus. Circuit regulator. A portion of the experimental wire passed along the bottom of the channel in August last, when messages were printed by this telegraph from England to France. Iron-protecting cable for enclosing the covered submarine wires, where great strength may be required. Inv. by T. W. B. Brett. Electric bells, &c. Pat. in Great Britain, America, France, Austria, Prussia, Belgium, Holland, Sardinia, and Spain.
- 430 WALKER, C. V. Tonbridge, Inv.—Modes of insulation of telegraph wires, compound needles, bell transformer, branch double turn-plate, lightning conductors, graphite battery, and other electric telegraph apparatus.
- 432 BRITISH ELECTRIC TELEGRAPH CO.—Highton's patent electric telegraphs and apparatus. Printing telegraph, adapted to one or two wires; another, by which any one of 26 symbolical characters is printed by a single touch of a key. Morse's arrangement of telegraph, worked by secondary power. Telegraph for showing the letters of the alphabet instantly, by the touch of a single key; with a revolving pointer; with a revolving disc. Series of indicating and pointing telegraphs, worked by various descriptions of coils and steel magnets, and by coils acting on soft iron. Series of telegraphic alarms, &c.
- 433 BAKERWELL, F. 6 Haverstock Ter. Hampstead, Inv. and Pat.—Electric copying telegraph.
- 433 ROBINSON, J. 100 High St. Marylebone, Inv.—New instruments for taking measurements, and cutting out coats.
- 434 BAIRN, A. Beever Lodge, Hammermith, Inv.—Electric clocks. Time-ball, to be discharged by electricity. Electro-chemical telegraphs. Electro-chemical copying telegraph. Electric printing telegraph.
- 435 FARRER, W. H. Cardiff, Wales, Inv.—Hydro-fluid distributor, or water telegraph, gas, and fire-engine controller. Electric printing telegraphs, &c. Portfolios, for slipping newspapers, periodicals, &c.
- 436 DREWING, G. E. Lockley's Welwyn, Herts, Inv. and Pat.—Electric telegraph apparatus, illustrative of many improvements.
- 437 MERRIS, C. L. A. 103 Leadenhall St. Agent.—Portable galvanic battery of 120 elements. Clockwork, for making and breaking contact. Patent galvanic chain battery, to be worn on the human body. Invented by T. L. Fulvermacher.
- 438 EDWARDS, J. B. Liverpool, Prod. and Mann.—Series of glass retorts, heapers, evaporating basins, and other glass and porcelain vessels for chemical purpose.
- 438A BUNDELL, W. W. Falmouth, Inv. and Mann.—Carbonised cast-iron magnet. Impressions and specimens of seals, executed by machinery.
- 439 HAZARDER, J. N. 34 George St. Plymouth, Inv. and Mann.—Cast-iron compound horse-shoe permanent magnet, &c. applicable to every purpose requiring high magnetic power. Medico-galvanic apparatus. Rarefying apparatus for producing a draught in ventilating flues, &c.
- 439A SHAW, T. 68 Burgess St. Sheffield.—Small magnets. Compound magnet with four bars, for a magneto-electric machine.
- 440 JOULE, J. P. F.R.S. Acton Sq. Salford, Inv.—Electro-magnet, constructed of a plate of well-annealed wrought iron, tapered to the poles. Tapered armatures. Surface electro-magnet, and armature, &c.
- 441 WATTS, G. 2 Old Burlington St. Inv.—Instruments used in dental surgery. Specimens of artificial teeth.
- 444 WESTMORLAND, J. Derby, Des.—Patent gutta percha electrical machine.
- 446 GREEN, S. 7 Helmet Row, Old St. Mann.—Various compasses and sun-dials. Damp detectors. Angle-meters.

Ivory circular thermometers with compass or magnetic sundial. Miners compass with sites, &c.

447 ALLBOND, R. St. Peter Port, Guernsey, Inv.—Model of a machine to determine the distance run by a ship, and also the ship's place on the chart.

448 BERTLER, T. Margate, Inv.—Pair of carpenters' compasses, with an improved working joint.

449 BROWN, R. Sheffield, Yorkshire, Des. and Manu.—Improved magnetic lightning conductor. Five-pointed diverging magnetic conductor, mounted upon electric rod.

450 CAICHERON, J. 112 Leadenhall St. Mann.—Solid arch sextant, double limb sextant, coast surveying sextant, quadrants, azimuth compasses, theodolites, levels, telescopes, grommets, callipers, &c.

451 KNIGHT & SONS, Foster Lane.—Chemical cabinets. Portable universal chemical furnace, on the principle of Dr. Black. Improved air-pump. Plate electric machines, and galvanic batteries. Working models of electro-magnetic motive engines. Laths for cleaning and polishing daguerreotype plates: invented by G. Knight.

452 COPPER, J. A. & SMITH, J. 4 Providence Row, Finsbury, Prop. and Manu.—Improved chemical apparatus, containing a still head, with pans for decoctions, &c.; a drying closet, a condenser for steam, &c.

453 TUDSBURY, R. Ollerton, Nottinghamshire, Inv.—Mechanical music desk, for use in an orchestra, or to be added to a pianoforte; with a single pedal, to turn over music.

454 GREEN, S. & Co. Lambeth, Mann.—Water filter on the principle of ascension. Chemical pottery wares, in terra cotta chemical stone ware; and in vitreous salt-glazed stone ware, &c.

457 GRIFFIN, J. J. & Co. 53 Baker St. Mann.—Graduated glass instruments for chemical testing in the arts; decimal weights and measures; hydrometers; ammoniometer, or hydrometer for liquid ammonia; small chemical apparatus, &c.

458A ALLMAN, F. 12 Stanhope Pl. Hyde Park. Inv.—An electric table-lamp, suitable for a room, with another, illustrating the way in which the dynamic effect of the current is made to govern the lamp. Patented.

459 INKERTON, Capt. L. L. B. Clifton House, Old Brompton, Mann. and Inv.—Electrotype from the animal and vegetable kingdom. Ornamental castings in various metals, &c. Trigonometrical model of the Undercliff, Isle of Wight, from a trigonometrical survey, the vertical heights being on the same scale as the base.

463 POWKALL, C. J. Kensington, Inv.—Electric telegraph, passenger index, indicator, &c.

464 HARRISON, J. 2 Choriton Ter. Upper Brook St. Manchester, Inv. and Manu.—Electrical battery, a substitute for the Leyden jar, galvanic battery, combining the inventions of Euseb and Faraday, &c.

464A HARRISON, J. 45 Upper John St. Fitzroy Sq. Mann. and Inv.—Improved pianoforte action.

465 WELLSLEY, J. S. 7 Denmark St. Bristol, Inv. and Manu.—Siphon trough, for galvanic battery, made of gutta percha and vulcanized India-rubber. Registered portable gas lamp.

466 TAYLOR, T. 17 Fleet St. Dublin.—Pneumatic battery, for igniting gunpowder in blasting operations.

467 KIRKMAN & SON, 3 Soho Sq. and 9 Dean St.—Miniature pianoforte. A complete model of a grand pianoforte in ebony, carved and gilt, with the modern improvements.

467 KIRKMAN & SON, 3 Soho Sq. Mann.—Miniature model of grand pianoforte. Full grand, with repetition action. The fender semi-grand, and oblique piccolo pianofortes.

468 GREYER, G. F. 51 Upper Marylebone St. Portland Pl. Inv.—Semi-grand pianofortes, with unison tuning-screws, and repeat tongue check action.

469 SOUTHWELL, W. 16 Baker St. Oxford St. Mann.—Grand pianoforte.

470 STODART & SON, 1 Golden Sq. Mann.—Patent horizontal grand and compact-square pianoforte.

471 CADBY, C. Gray's Inn Pianoforte Manufactory.—Grand and upright cottage pianofortes, on his new patent suspension principle.

472 ROLFE, W. & SONS, 61 Cheapside, Mann.—Self-performing pianoforte. Two-unison common cottage pianoforte, with check or double actions, &c.

474 BRIDGEMAN, J. 15 Charlotte St. Fitzroy Sq. Mann.—Registered pianoforte, with improved joint and music stool.

475 METZLER, G. 37 Gt. Marlborough St. Mann.—Small size cottage pianoforte, made in pollard oak, O G or arched fall, with ornamental shell front.

476 MOORE & CO. 104 Bishopsgate St. Within, Des. and Manu.—Grand cottage pianoforte, of new design.

477 LUFF & SON, 108 Gt. Russell St. Bloomsbury, Mann.—Albert cottage pianoforte harmonium.

477A HURT, R. 22 Blake St. Inv.—The tavola pianoforte. A drawing-room table, upon a centre-block or pedestal; contains a pianoforte on a grand principle, and a music closet. Provisionally registered.

479 ENNEVER & STEDMAN, 31 George St. Mann.—Elegant walnut marquetry semi-cottage pianoforte, with double action, &c. Square-fall piccolo, or microchordian pianoforte.

480 ALLBON, R. 69 Regent S. Mann.—Walnut-wood registered cottage pianoforte; the keys alternated in colour, to show all the scales.

481 JONES, J. C. 212 Soho Sq. Inv. and Manu.—A double or twin semi-cottage pianoforte.

482 HOLDENWASS, C. 444 New Oxford St. Mann.—Cottage grand pianoforte, with repeating check action.

483 ALLBON, R. 106 Wardour St. Oxford St. Mann.—Cottage pianoforte in walnut-tree, carved and inlaid.

484 JENKINS, W. & SON, 10 London St. Fitzroy Sq. Inv. and Manu.—Expanding pianoforte for yachts, &c. Cabinet pianoforte in the Elizabethian style.

485 NICKEL, B. 17 York St. York Rd. Lambeth, Inv. and Pat.—Patent double pianoforte.

487 ADDISON, R. 210 Regent St. Pat.—Royal Albert transposing pianoforte, with immoveable key-board, hammers, and strings.

488 AGGIO, G. H. Colchester, Des.—Pianoforte, in plate glass case, gold carvings, &c. Ottoman, of novel description, &c.

489 DIMOLINS, A. Denmark St. Bristol, Des. and Manu.—Registered compensation pianoforte, seven octave.

490 AKERMAN, W. H. H. Bridgwater, Somerset, Inv. and Manu.—A pianoforte of improved construction, with bevel movement of the damper.

491 SMYTH & ROBERTS, Birmingham, Inv. and Manu.—Cottage pianoforte, with grand action and repeater, having a sounding-board and back on the principle of a violoncello, suited for hot climates.

492A BRAUND, J. 26 Mount St. Grosvenor Sq.—Model of the Queen's grand pianoforte; with case of Amboyna wood, and chased and gilt ornaments, containing a barrel which performs twelve airs. Manufactured by Berens, Blumberg, and Co. Travelling cap, with transparent peak, manufactured by Christy and Co., Gracechurch Street.

493 WOOLLEY, T. Nottingham, Pat. and Man.—Equilibrium patent pianofortes for all climates. Grand piano, and utiliton piano.

493A HARWAR, J. 28 Bloomsbury St. Mann.—Pianoforte with transposing mechanism, metallic equilibrium string frame, adjusting tension rods, and improved sound-board.

CLASS 10. *Philosophical, Musical, Herological, and Surgical Instruments.*

- 494 TOWNS & PACKER, 20 Oxford St. Mann.—Grand transposing pianofortes. Microphonic cottage pianofortes of economic construction.
- 495 ERARD, P. O. 18 Great Marlborough St. Inv. Des. and Mann.—New patent pianofortes. New patent metal frames for pianofortes. Harps. "Prince of Wales' harp," richly decorated.
- 496 MOTT, I. H. E. 76 Strand, Inv. and Mann.—Patent metallic cottage grand pianofortes, not liable to be affected by change of climate or weather. Horizontal grand pianofortes, with metallic frames.
- 499 WORNUM, R. Store Str. Inv. and Mann.—Improved piccolo pianoforte. Semi-dichord grand pianoforte, upon
- 500 HOPKINSON, J. & J. 13 Soho Sq. Mann.—Horizontal grand pianoforte with new patent action. Boudoir pianoforte.
- 500A TURNBULL, W. 6 Frederick St. Regent's Park, Mann.—Set of pianoforte keys.
- 503 GRAVES, E. 56 South St. Sheffield, Mann.—Æolian pitch pipes. Æolian violin mute. Chromatic æolian pitch pipe. Sostenuto tuning-forks. Pair of chromatic tuning-forks. Registered portable metronomes. Printers' counting-machines.
- 504 KENNEDY & PARK, 141 Strand.—Brass horns with valves, French horn, trombones, trumpets, ophicleide, euphonium, cornet-à-pistons, clarinets, flutes, drums, &c.
- 504a MOULD, J. E., 3 Waterloo Pl. Edinburgh, Inv.—Tuning-fork, with chromatic scale, by which any note may be struck at pleasure.
- 505 DODD, E. 113 Vauxhall Walk, Lambeth, Mann.—Violin, violoncello, double bass, and harp strings.
- 506 DREWY, J. F. Cheshunt, Herts, Mann.—Box of musical bells.
- 507 GIBSONNE, J. 37 Suffolk St. Birmingham, Inv. and Mann.—Cornopeans, trombo cornuts, Sax horns, keyed bugle, long valve trumpet, &c.
- 508 HENRYS & Co, 3 Budge Row, Prop.—Newly-invented musical instrument, called "Fluctina."
- 508 HENRYS & Co, 2 Budge Row, Mann.—Orders of knighthood, masonic jewels, head ornaments, bracelets, brooches, &c. in imitation of precious stones.
- 509 FORSTER, SIMON, A. 13 Macclesfield St. Soho Sq. Mann.—A violin, viola, violoncello, &c., made after the models of the exhibitor's grandfather, popularly known as "Old Forster."
- 510 HEAPS, J. K. Leeds, Mann.—Violoncello constructed upon improved principles.
- 511 ANELLI, J. 76 Queen St. Edinburgh, Inv.—Centripetal regulating pegs and pins, for tuning instruments. Spring "capo-tasto," for the guitar, changing at once the diapason of the strings.
- 512 McNEILL, J. 140 Capel St. Dublin, Inv.—Cambridge cavalry field-trumpet bugle. Bulb cornopean.
- 514 CHURCH, G. 12 Berkeley Pl. Bristol, Inv.—Wrist-supporter, for the piano-forte. Improved guitar. Improved finger-board for the violoncello, and other bowed instruments.
- 516 EDWARDS, J. & Son, Church St. Burslem, Inv.—An instrument to give strength and flexibility to the fingers of all instrumental performers.
- 517 PACE & SONS, 23 King St. Westminster, Inv. and Mann.—Cornopeans, trumpet, and valve horn, with valves of small diameter, and without angular turnings.
- 518 BROADWOOD & SONS, 33 Gt. Pulteney St. Mann.—Four grand pianofortes, of different constructions.
- 519 BETTS, A. 27 Royal Exchange, Mann.—Two violins.
- 520 OATES, J. P. Lichfield, Imp.—Improved brass musical instruments: Cornets, pisa-cor, Sax-horn, trumpet, Staffordshire horn, &c. Spring door-porter and elastic blind-rack.
- 522 PRINCE, MISS ASKELINE, 29 Norfolk Cres. Hyde Park, Inv.—Glöco di Euterpe; a new musical game.
- 523 JORDAN, J. 34 Manchester St. Liverpool, Inv. and Mann.—Newly-invented euphonic serpentcleide, euphonic horn, tenor-valve ophicleide, and cornopeans.
- 525 PARSONS, L. 31 High St. Bloomsbury, Mann.—Euharmonic guitar (inv. and prop. T. P. Thompson, M.P.), capable of being arranged in the perfect ratios for upwards of 30 keys.
- 526 WHEATSTONE & Co. 30 Conduit St. Regent St. Pat. and Mann.—Concertinas, treble, baritone, concert tenor, concert bass, double, &c. Symphonion. Portable harmoniums, &c.
- 527 WARD, 36 Gt. Titchfield St. Inv. and Mann.—Kettle, bass, and side or signal drums. Patent flute. Newly constructed bassoon.
- 527 WARD, C. 36 Great Titchfield St. Inv. Pat. and Mann.—Improved kettle-drum, bass-drum, side or signal drum; flute, and bassoon.
- 528 SWELL, R. Ball's Pond, Inv. and Mann.—Scrappine, with dichromatic or double scale of notes.
- 529 STOKER, J. 26 Piccadilly, Inv. Pat. and Mann.—Percussion Æolophon, with two sets of vibrators. Portable Æolophon, for flutes or violoncello parts, &c.
- 530 FAULKNER, E. 11 York St. James's Sq. Des.—Accordion stand.
- 531 BRAY, J. 26 Westmoreland St. Dublin, Mann.—Double-action harp, with additional notes, music-stool, desk, and stand.
- 532 JONES, B. Cardiff, Wales, Des. and Mann.—Grand triple-strung Welch harp.
- 532 SIMPSON, T. Sea Lion Hotel, Hanley-in-the-Potteries, Inv.—Norma Virium, or musical accentuator, intended to supersede the metronome.
- 535 SICCAMO, A. 135 Fleet St. Inv. Pat. and Mann.—Diatonic flutes, retaining the old system of fingering while affording numerous additional fingerings, on a system strictly based upon acoustic principles.
- 536 HUDALL, ROSS, & Co, 38 Southampton St. Strand, Pro. and Mann.—Carte's patent flutes, in silver and wood. Boehm's patent flute. Improved ordinary flute.
- 537 PURDY & FEWDR, 74 Dean St. Soho, Mann.—Violins, violoncellos, double bass. To exhibit oil varnish equal to that on the Cremons; an art supposed to have been lost.
- 538 POTTER, H. 2 Bridge St. Westminster, Mann.—Clinton's flute, improved.
- 540 KOHLER, J. 35 Henrietta St. Covent Garden, Pat. and Mann.—Patent valved wind instruments.
- 541 GUINNESS, R. 58 East St. Manchester Sq. Inv.—Violin and violoncello. Self-acting pegs for tuning violins, violoncellos, and tenors.
- 542 GARRETT, R. 64 King St. Whitehall, Mann.—Double-pistoned brass cornopean, with straight and curved tubes.
- 543 DODD, J. Image Cottage, Holloway, Mann.—Bows for the violin, tenor, and violoncello, mounted with gold and tortoiseshell. Silver strings for the violin, violoncello and harp.
- 544 CHIDLEY, E. 135 High Holborn, Des. and Mann.—Concertinas, in ivory, with gold tops.
- 545 CASE, G. 33 New Bond St. Mann.—Concertina three octaves and a half compass.
- 546 CARD, W. 29 St. James's St. Des. and Mann.—Silver, gold, electro-silvered, and other flutes.
- 547 CALLCOTT, J. 31 A. Admiral Ter. Vauxhall Bridge Rd. Inv. and Mann.—Newly-invented French horn and cornet-à-piston without loose crooks.

CLASS 10. *Philosophical, Musical, Horological, and Surgical Instruments.*

- 548 ROOME, T. F. 67 John St. Fitzroy Sq. Mann.—Organ metal pipes—trumpet, hautboy, cremons, flute, open diasson, viol de gamba, and kerophon.
- 549 GROOMER, J. Watton, Norfolk, Inv. and Mann.—Transparent music, adapted for instructing large classes.
- 550 MATHEWS, W. 5 St. James St. Nottingham, Inv. and Mann.—Model, the string frame of an upright pianoforte with lever tuning apparatus. An upright pianoforte, with improvements.
- 551 ANDREWS, R. 4 Palatine Buildings, Manchester, and 84 Oxford St. Inv.—Apparatus for giving position and strength to the fingers in learning the piano.
- 552 BISHOP, J. C. 1 Lisson Grove South, Des. and Mann.—Cabinet organ, containing composition pedals, &c.
- 554 DAWSON, C. 395 Strand, Inv.—Autophon, the tunes being produced by means of perforated sheets of mill board.
- 555 GRAY & DAVIDSON, 9 New Road, Fitzroy Sq.—A small church finger-organ, the whole of the stops contained in a swell, with Bourdon pedal pipes independent of the manual. Plays any number of tunes without shifting the barrels in and out of the instrument.
- 556 HILL, W. & Co. Tottenham Ct. Rd. Des. and Mann.—Finger organ with two sets of channels, containing reed stop of immense power, &c.
- 557 HOLDEN, G. M. H. 4 Judd Pl. East, King's Cross, Mann.—Small choir organ, with peculiar stop, called the "diasson."
- 558 ROBINSON, T. J. F. 101 St. Martin's Lane, Mann.—Euharmonic organ (T. Ferronet Thompson, M.P. Inv. and prop.), capable of executing with the perfect ratios in 18 keys; or in 30 with the exchange of one or two pipes in the octave, for the keys of five and six flats.
- 551 WALKER, J. W. 27 Francis St. Bedford Sq. Mann.—An organ (in the Tudor style, designed by Banks and Barry), adapted for a hall or music room.
- 553 FORSTER & ANDREW, Hull, Inv. and Mann.—Original model of transposing organ, which enables the performer to change the pitch of the instrument five semitones higher or lower from a given pitch: the manuals remain stationary. Alarm or fog signals, for railway guards, or ships at sea.
- 555 GROSSEMITT, W. R. 175 Fleet St. Inv. and Mann.—Artificial legs, artificial eyes, spring braces, &c.
- 557 BAGLAND, T. Leeds, Mann.—Teale's trusses. Bandages for prolegs. Knee-joint extensor.
- 558 MILLS, J. Street, near Glastonbury, Inv.—Improved double truss for hernia, invented by a labouring man.
- 559 MASTERS, M. 12 St. David St. Newington, Mann.—Artificial leg.
- 570 CAPLEN, J. F. I. Strawberry Hill, Pendleton, Inv. and Mann.—Gymnastic apparatus, and orthorachidic instruments, for deformity of the spine, &c.
- 571 SWITZERBANK, J. 100 Bridge St. Bradford, Yorkshire, Mann.—Artificial legs.
- 572 LONGDON & TUBBER, Derby, Inv. and Mann.—Elastic surgical stockings, knee-caps, belts, &c.
- 573 SMITH, S. 1 High Holborn, Mann.—Trusses, bandages, belts, &c.
- 575 GREENE, S. 71 Baker St. Mann.—Artificial teeth, &c.
- 576 HORNE, J. West Regent St. Glasgow, Des. and Mann.—Artificial teeth.
- 578 LAURIE, S. 36 Argyle St. New Rd. Des.—Artificial teeth, carved in hippopotamus ivory.
- 577 JAMES, J. H. F.R.C.S. Exeter, Inv.—Surgical instruments and apparatus. Model of an apparatus employed in the treatment of fractures of the thigh.
- 578 ASH & SONS, 8 and 9 Broad St. Golden Sq.—Artificial teeth.
- 581 PERKINS, W. 175 Prospect Pl. Maida Hill, Paddington, Des. and Mann.—Artificial teeth.
- 582 ROBINSON, J. 7 Gower St. Bedford Sq. Inv.—Artificial teeth, and dental apparatus.
- 583 RIALD, R. 19 Heriot Row, Edinburgh, Inv.—Compress for alveolar hæmorrhage.
- 584 RANSOM, R. 3 Verulam Pl. Hastings, Mann.—Case of artificial teeth.
- 585 MOLLISON, J. 3 Grove Ter. St. John's Wood, Inv.—Mollison's pedestal pianisphere.
- 587 WHITE, J. 226 Piccadilly, Mann.—Patent Moc-main Lever Trusses.
- 589 TON, D. 5 Upper Fitzroy St. Fitzroy Sq. Inv.—Single and double trusses.
- 590 THOMSON, H. Greenock, Scotland, Inv.—Apparatus intended for fractures of the thigh or leg.
- 591 SPARKS, T. & Co. 28 Conduit St. Regent's St. and 115 New Bond St. Mann.—Spinal machine. Instrument for contracted knees. Portable spring crutch. Trusses. Portable cloak coat, &c.
- 592 FULLER, J. 230 Whitechapel Rd.—Artificial leg, eyes, and nose. Surgical instruments, &c. Antique metal-gilt oval watch, made in the reign of Charles I., by Francois Nawe, at London.
- 594 SALMON, ODY, & Co. 292 Strand, Inv. and Mann.—Patent single and double self-adjusting trusses. New resisting, anti-pressure, self-adjusting truss, suggested by Dr. Arnott.
- 596 BRUNTON, J. Huddersfield, Mann.—Artificial leg.
- 597 L'ESTRANGE, F. 39 Dawson St. Dublin, Inv.—Patent trusses. Apparatus for the reduction of dislocations, and for the cure of fractures of the lower jaw. Lithotrite instruments, &c.
- 598 HUXLEY, E. 5 Vere St. Mann.—Stockings, knee caps, calf-pieces, and anastis, for varicose veins, weakness, sprains, fractured, &c.
- 601 GRAY, S. 10 Marshall St. Golden Sq. Inv.—Truss and hunting-belt combined.
- 601 MILLER, K. 15 Liverpool St. Bishopsgate, Prop.—Mineral teeth.
- 601A ARNOLD, J. Upper Marylebone St. Inv. and Part Mann.—Universal limb-rest, with elevating and revolving actions.
- 601C CHAPMAN, T. & ALDERMAN J. 8 Denmark St. Soho, Inv. and Mann.—Invalid's couch.
- 601D MACMURDO, C. Upper Camden St. Dublin, Inv.—Jaw-lever, for keeping open the mouth of any animal whilst administering medicine, &c. A temporary horse-shoe, to fasten on without nails.
- 601E ROSS, A.—Bleeding instruments as substitutes for leeches, and cupping instruments. Inv. Baron Heurteloup. Mann. J. Scholl, Berwick St. Soho.
- 602 FINZI, S. L. 6 Dalby Ter. City Rd. Islington, Inv. and Mann.—Universal drill, for removing decay from teeth. Artificial teeth.
- 604 HALFORD, H. 6 St. John Sq. Mann.—Artificial human eyes, eyes for figures, animals, dolls, and birds.
- 605 ATKINSON, R. F. 25 Strand, Inv.—Artificial limbs, trusses, and bandages.
- 607 WHELETT, E. 12 Lloyd's Pl. Brompton—Surgical operating table.
- 609 PUCKERIDGE, F. L. 4 York Pl. Waltham, Inv. and Mann.—Transparent waterproof membrane plasters. Tinted goldbeaters' skin and court plaster.
- 610 BIRYON, A. 3 Gt. Marlborough St. Regent St. Inv. and Mann.—Elastic chest-expanders.
- 612 SPRATT, W. H. 2 Brook St. Hannover Sq. Mann.—Single and double trusses, pads, belts, and bandages, of various constructions. Elastic faced stocking. New spinal chair which may be used as a bed, chair, sofa, or in a carriage.
- 613 LINDSEY, M. 264 High St. Borough, Inv. and Mann.—Trusses for hernia, &c.

- 614 LEE, J. Bideford, Inv. and Manu.—Devonia invalid bedstead.
- 615 HERR, J. H. 46A, Liverpool St. Inv. and Manu.—Spring-bands, belts, &c.
- 616 HERR, J. H. 46 Liverpool St. City, Prop.—Pulpit, containing a gutta-percha hearing apparatus, for the deaf in churches, chapels, lecture-rooms, &c.
- 617 ROBINSON, R. 27 Cumberland St. Portsea, Inv.—An artificial leg; the foot constructed so as to dispense with steel springs.
- 618 ARNOTT, J. M.D. 34 Baker Str. Portman Sq. Inv.—Apparatus for regulating the temperature of morbid parts, and causing equal pressure. Apparatus for removing constrictions or obstructions in the excretory canals, &c.
- 619 LEAREN, A. Oulart, Wexford, Ireland, Inv.—Double stethoscope, made of gutta-percha.
- 620 ATREE, W. H. 9 New Cavendish St. Inv.—Telescope case for anatomical skeleton. The post Cowper's living barometer—the common leech, enclosed in a glass tube.
- 621 SIMPSON, G. F.R.C.S. 6 Bedford St. Bedford Sq. Manu. and Inv.—Anatomical model of the human figure, in paper-maché and gutta percha. Vertical section in gutta percha of the human head and neck.
- 622 TOWN, J. Guy's Hospital, Prod.—Deep section of the head. Model of the neck, upper extremity, and chest. From dissections by John Hilton, F.R.S. Models illustrative of incubation.
- 623A FARQUHARSON, J. Ealing, near Brentford, Inv.—Spring stamp for a wooden leg, which takes off the jerk in walking.
- 624 BROWN & SON, Grey St. Newcastle-upon-Tyne, Manu.—The railway tourniquet. The aneurismal compress. Dilators for stricture. The ostracoda, or oyster opener.
- 625A SALZ & SON, 21 Bull St. Birmingham, Manu.—A large assortment of surgical instruments of all descriptions, trusses, fracture apparatus, &c.
- 626 REID, C. 108 Strand, Inv.—New ear-trumpets. Acoustic chair, vases, telescopes, whispering tubes, domestic telegraph, &c.
- 627 GREENHOW, T. M. Newcastle-upon-Tyne, Inv.—Fracture-bed, for the treatment of patients having fractures of the thigh and leg.
- 628 FERGUSON & SONS, 21 Giltspur St.—Complete set of surgical instruments, for capital and minor operations. Apparatus used in orthopædic surgery.
- 629 WESS & SON, 63 Strand, Manu.—Cabinet of surgical instruments, for every operation in surgery. Apparatus for examining the ear, throat, and different canals of the body. Invalid bed.
- 630A ELLIS, J. 41 Spring St. Sheffield, Manu.—Amputating and post-mortem instruments. Pocket instruments, and scalpels. Lancets and trusses.
- 631 HANNETT, W. 4 Francis St. Golden Sq.—Mineral teeth.
- 632 HANNETT, W. 4 Francis St. Golden Sq. Manu.—Instruments, mineral teeth, and materials, used by dentists.
- 633A DOWNING, C. T. M.D. 42 Gt. Russell St. Inv.—The aneurismal, an apparatus for applying warm medicated vapour for tic douloureux, &c.
- 634 PRATT, J. 10A Charles St. Middlesex Hospital, Manu.—Capping instruments.
- 635 GODDARD, L. 6 Cree. Minories, Imp.—Patent instrument for extracting teeth, invented by E. Bourne, of New Bedford, Mass.
- 636 SCOTT, W. 14 Brunswick St. Dover Rd. Manu.—Homœopathic tubes and vials, sample vials, and glass syringes.
- 640 WEDON, T. 41 Hart St. Bloomsbury, Manu.—Surgeons' instruments. Various patterns of small instruments used in minute dissections, for the microscope, &c.
- Specimens of cutlery, mounted in the *Haliotis* pearl shell, plain pearl, and agate handles.
- 641 PHILIP & WHICKER, 67 St. James's St.—Cutlery and surgical instruments.
- 642 SIMPSON, H. 55 Strand, Manu.—Instruments for a surgeon in the navy, &c. Amputating and other surgical instruments. Cutlery, &c.
- 643A GABRIEL.—Electrical machines.
- 643 WOOD, W. R. German Pl. Brighton, Manu.—A series of mechanical adaptations for regulating and preventing the irregularities of the permanent teeth.
- 643A EVANS & CO. 10 Old Change, Manu.—Surgical instruments.
- 645 GOWING, T. W. Camden Tr. Inv.—Instruments for operations on the teeth of horses, &c. Apparatus for fractures.
- 645A NAPIER, D. & SONS.—Compasses.
- 646 KIDSTON, W. & CO. 16 Bishopsgate Without, Inv. and Manu.—Mechanical leech.
- 647 EYWARD, J. Charles St. Middlesex Hospital.—Dentists' and surgical instruments, in the various stages of manufacture, &c.
- 648 HEN, E. 16 Little New St. Shoe Lane, Manu.—The registered osteotom, a surgical instrument for cutting bones.
- 649 BARKER, J. M.D. 45 Mountjoy St. Dublin, Inv.—"Thoracitona," a new medical instrument for rendering more efficient and certain the act of percussion in disease.
- 651 SMALL, T. Boston, Lincolnshire, Inv.—Apparatus for restoring suspended animation in persons apparently dead.
- 651 THEORNTWATTE.—Electrotytes, &c.
- 652 JOHN, P. High St. Fulham.—Improved metallic shield.
- 653 HEATHER & BLACKWELL, 3 Bedford Ct. Covent Garden, Inv. and Manu.—Registered guard razor and corn-knife. Surgical apparatus.
- 654 MACHELL, T. Carlisle St. Soho.—Improved method of raising fluids. Surgical instruments.
- 654A COFFEE & CO.—Chemical apparatus.
- 655 JOHN, T. 26 Lombard St. Inv.—Silent alarm bedstead to turn any one out of bed at a given hour.
- 656A SIMONS.—Chemical apparatus.
- 656B STRATHAN, W. E. Chemical apparatus.
- 656 BATEMAN, G. C. Llanelli.—Electrotypes.
- 659 BELL, Major G.—Tabular presentation of universal historical, literary, and artistic time, extending over a surface of nearly 4,000 years, in 25 diagrams.
- 660 COLMS, W. 3 Charing Cross, Inv. and Manu.—Patent trusses.
- 660A NEWBERRY, F. Stoke Newington Green.—Electrotypes.
- 661 RENZYNSKI, Capt. G. A. Stirling, Scotland, Inv.—Portable telescope stand, with desk for artists, engineers, land surveyors, &c., with various useful improvements and apparatus.
- 661A ELECTRIC TELEGRAPH COMPANY.—Series of telegraphs.
- 662 SANDERSON, C. Friar St. Reading. Inv.—An instrument to facilitate the laying down of curved sidings and crossings on railways.
- 663 SIMONS, W. V. South Shields, Des. and Manu.—Electro-magnetic machine, with an improved arrangement of the primary coil and contact breakers, &c.
- 664 WARD, W. B. Clapham Rise, Inv.—Closed cases, by which plants may be grown in any locality, even in the centre of the most crowded cities, or conveyed from one country to another with complete success.
- 665 SYKES, Lieut. Col. East India House.—Specimens of Persian manufacture in silk, in imitation of shawl pattern. Enamelling on gold, a dish presented by the King of Prussia to the East India Company. Specimens of illustrated Persian manuscripts.

SECTION III. -- MANUFACTURES. I

CLASS 11. *Cotton.*

1 JACKSON, J. 73 Adam Sq. Edinburgh, Mann.—Fine wool shawl, wove on the Spolino or loop principle, to show that this mode of weaving would be applicable for figured wool shawls of the finest description.

2 WALKER, J. & R. Earlstown, Malrose, Mann.—Cotton ginghams for dresses, hand-loom wrought.

3 FULLAR & SOH, Perth, Mann.—Umbrella and fancy ginghams, handkerchiefs, and woollen gerries.

4 BRADBURY, GRANTONKI, & BEALL, 6 Aldermanbury, Prop.—Specimens of window curtains.

5 ANDERSON, J. & A. Glasgow, Mann.—Ginghams. Cravats, checked muslin. Handkerchiefs, Turkey-red ground. Tartan muffler. Saxories.

5A ANDERSON, J. & D. Glasgow, Mann.—Checked cotton ginghams and checked cotton cravats.

7 DAVIDSON & Co. Glasgow, Mann.—Sacherella book-muslin. Scotch tartan muslin. Tamboured book-muslin.

8 FINLAYSON, F. & Co. 25 Dundas St. Glasgow, Mann.—Lappet muslins; tartan; and lappets. Lappet bound muslin dresses, &c.

9 SYMINGTON, R. B. & Co. Glasgow, Mann.—Harness book muslin and harness leno muslin window-curtains, all woven in the Jacquard loom.

10 YOUNG, J. H. & Co. Glasgow, Mann.—Muslins, &c. suited for East India, home, American, and continental markets.

11 FIFE & SON, 63 Queen St. Glasgow, Mann.—Specimens of ginghams, hand-loom woven.

12 HARRIS, J. Chryston, Glasgow, Des. and Mann.—Three dresses; and one piece of gentlemen's handkerchiefs.

12A WALKER, W. 13 Marsden's Sq. Manchester, Mann.—Cotton cloth, with specimens in imitation of woollen broad cloth, beavers, Wintneys, &c.

12B M'BRIDE & Co. Glasgow, Inv. and Mann.—Cotton table-cloths; bird's-eye diaper and huckaback towelling; furniture and jean stripes; ginghams, &c.; all made by patent power-loom. Table-cloths and tartans, the worst being from hemp, prepared by E. Stock, of Renfrew, Scotland.

14 THOMSON & SON, Glasgow, Mann.—Wove coloured cotton stockings. Imitation of India stockings.

15 LINCOLN & BERRERT, 2 Sackville St. Piccadilly, and 58 Union St. Borough, Inv. and Mann.—Hats, with calico foundation. Drab hats for India, &c. Chess-table, &c. made of prepared calico, turned, carved, japanned, &c. in imitation of grained wood.

15A LETHBR, BLTTE, & LETHBR, Friday St. Mann.—Specimens of various plain muslins, woven from the same quality of yarn. Tamboured muslins. Ginghams for dresses.

16 OSWALD, STEVENSON, & Co. Glasgow and Manchester.—Cotton yarns dyed and spun in the west of Scotland, arranged according to Manchester classification. Water twist. Mule twist. Fine yarns.

17 AULD, BEKKIE, & MATTHEWSON, Glasgow, Mann.—Book muslins; mull muslin; jaconet muslin; bishop lawn

muslin; Saccharilla and Turistan book muslins. Saccharilla mull muslin, harness, and Leno book muslin.

19 DIXON & SOSS, Carlisle.—Grey and dyed yarns. Cotton checks, ginghams, and shawls. Scarfs and Robes. Twilled stripes, &c. For home consumption and exportation.

20 MCGIBSON, E. Carlisle.—Carlisle ginghams, of six qualities, made principally for the American trade.

22 LOWTHIAN & PARKER, Carlisle, Mann.—Varieties of ginghams, checks, stripes, poplins, &c. for the home, foreign, and colonial markets. Samples of dyed yarn.

22A MARTIN & SON, Bolton, Mann.—Damasak dyed and plain furniture dimity.

24 SUOWORTH, J. Bolton.—Counterpane, exhibited for weaving.

24A BROOK, J. & BROTHERS, Meltham Mills, Huddersfield, Mann.—Specimens of raw cotton, carded cotton, rovings, throstle yarns, sewing threads, thread and crotchet cotton, &c.

25 HAYTHORN, J. W. Nottingham and Trent Mills, Burton-on-Trent, Mann.—Samples of sewing, knitting, and mending cotton. Lille thread. Lace thread, and doubled yarns. Prepared cotton, &c.

25A GREENHALGH & SON, Mansfield, Mann.—Samples of double cotton yarns, as used in the manufacture of lace, gloves, hosiery, ribbons, cloths, and for sewing and knitting.

26 CLARKE, J. P. King St. Mill, Leicester, Mann.—Patent embossed wood, metallic and other reels, containing sewing cotton. Reels also shown in their different stages of manufacture.

27 HARRIS, W. S. Leicester, Pat. and Mann.—Reels exhibiting specimens of sewing cotton, and patent reels constructed to prevent imposition as regards the length of cotton upon each.

29 O'CONNELL, J. 27 South Main St. Cork, Ireland, Mann.—Specimens of linen and cotton ginghams.

30 EVANS & Co. Darley Abbey, Derby, Mann.—Sewing cotton of various kinds, made up in different forms for use.

31 CROSS, C. and Co. Corporation St. Manchester, Mann. and Joint Pat.—Very wide doeskins; lambskin; shoe linings; twill; cord, &c. Articles of wearing apparel, produced by patent machinery.

32 BAZLOW, GOODRY, & JONES, Bolton, Mann.—Figured quilting vesting; white and coloured quilting bed-cover; and white welted bed-cover, welted quilts.

33 BARNES, T. Earnworth Cotton Mills, Bolton.—White Polynesian swansdown. Molekin in different stages, illustrating the method of manufacture. Pattern designed and registered by the exhibitor; printed by Jackson and Co., Manchester, and finished by Whitehead, of Elton.

34 MYERSCOUGH, STRELL, & Co. Bolton.—Counterpane and quilting bed-cover, or toilet-quilt. Fine diamond quilting, for waistcoats.

37 HOLLINS, W. & Co. Pleasley Works, near Mansfield, Nottingham, Mann.—Merino, Cashmere, and cotton hosiery yarns, used in the midland counties in the manufacture of hosiery, and on the Continent for knittings, and hosiery purposes.

- 45 WALKER, J. & Co, Bedford St. Leeds, Mann.—Mohair cloths, various colours, for making and trimming ladies' paletots.
- 46 WOODHOUSE, J. Holbeck Moor Side, near Leeds, Mann.—Cloth, woollen warp and cotton warp, fast colour blue. Cloth, common colour, black.
- 49 WILKINSON, W. & E. Leeds, Mann.—Grape, all wool. Cord, all wool, for summer cloth, manufactured in the worsted manner.
- 51 WILKINSON, G. St. Helen's Mills, Leeds, Inv. and Mann.—New ship sheathing. Patent padding and wadding. Medical cloth, backed with India-rubber, &c. Gun wadding.
- 51A VEYERS, LEITZLA, Mohill, County Leitrim, Ireland, Prod. and Inv.—Articles manufactured from the fibres of the common nettle, the hemp nettle, the Lavatera, the sweet-pea, the honeysuckle, the nasturtium, the Keeria japonica, and marsh-mallow.
- 52 YORK & SHERRSHANKS, Leeds, Mann, Dyers, and Finishers.—Woaded wool black; second woollen cloth. Piece-dyed black, and black medium, and fast dye.
- 53 YEWELL & SON, Rawden, near Leeds, Mann.—Woollen cloths of different qualities; milled hair-list and double milled hair-list cloths.
- 55 BATESON & Co. Leeds, Yorkshire, Mann.—Specimens of cloths, piece and wool dyed.
- 56 BRAMLEY WOOLLEN CLOTH CO. Bramley near Leeds, Dyers and Manuf.—Specimens of black cloth, wool-dyed, true and common colour.
- 57 BEADMONT, W. Crawshaw House, Pudsey, near Leeds, Mann.—Black cloths, made from Sydney and Saxony wool, piece dyed.
- 60 BIRNLEY & SON, Heckmondwike, near Leeds.—English, Witney, and Irish blankets. American Mackinow and scarlet striped blankets. American blankets, for clothing purposes.
- 61 WALSHAW & SON, North Bridge, Halifax, Dyers.—Specimens of variously died two-fold thirties worsted warp.
- 62 CLARKE, J. 29 West Str. New Rd. End, Leeds, Inv.—Covering for the walls of apartments, having the appearance of superfine cloth.
- 64 CRAWTREE, W. Dewsbury, Mann.—Bath blankets, fine, and striped with fancy colours at the ends.
- 65 CHOMACK, J. J. Leeds, Mann.—Woaded black cloth, and fast black cloth.
- 66 CHESTERMAN, C. G. & W. Calverley, near Leeds, Mann.—Specimens of bottle green broad cloths.
- 68 ELLIS, J. W. Arnsley, near Leeds, Mann.—Cloth used in Buenos Ayres and Rio Grande: made of Buenos wool and cotton warp.
- 69 FRYER & SON, Heckmondwike, near Leeds, Mann.—Blankets, coatings of alpaca wool, mohair, and camel's hair. Cotton diaper rugs.
- 70 FENTON, W. Eccleshill, near Leeds, Mann.—Billiard cloths, green, crimson, and scarlet.
- 71 GEORGE T. W. & Co. Leeds, Dyers and Finishers.—Worsted lastings in fast black, not woaded.
- 72 GILL & BISHOP, Leeds, Mann.—Brown, gentian, drab, and black mohair.
- 73 GOTT & SON, Leeds, Mann.—Woollen cloths for the home trade, and for the American, China, and Russian markets.
- 74 GRAY, S. Calverley, near Leeds, Mann.—Woollen cloths: drab and blue prunell livery cloth; Russian green prunell habit-cloth.
- 75 GREEN & SON, Leeds, Mann.—Orleans cloth, in black and various shades.
- 76 HOTMAN & WATSON, Leeds, Mann.—Yorkshire flannel.
- 77 HARTLEY & SON, Wortley, near Leeds, Des. and

- Mann.—Heather tweeds for shooting-coats, made from Australian wool.
- 78 HALLEY, A. & C. Bramley, near Leeds, Mann.—Woollen cloths, made in the white.
- 78A HOLDSWORTH, J. & Co. Halifax, Yorkshire, Mann.—Durant, for lining rich damasks. Cotillion. Printed Tournays. Damasks. Table covers. Ponceau watered moreen. Coburg and Orleans cloths Serge de Berri, &c.
- 79 HATLEY, J. & SON, Bramley, near Leeds, Mann.—Woollen cloths, made in the white.
- 82 HARGREAVE & NUSSEY, Farnley Low Mills, near Leeds, Des. and Mann.—Royal chameleon, elastic; transferable cloth; Vicuna fur, with woollen back; dyed black cloth, from colonial wool.
- 83 HAGUE, COOK, & WORMALD, Dewsbury.—Blankets and blanket goods. Spanish striped cloths, and cloths for the China market.
- 85 BURNLEY, S. Batley, near Dewsbury, Mann.—Wool and silk printed tweed. Logwood blue, gentianella blue, and indigo pilot cloth.
- 86 HUDSWELL & SON, Batley, near Dewsbury, Mann.—Fancy wrapper for travelling, and fancy wrapper for overcoats, &c. of English wool.
- 89 SHEARD & SON, Batley, near Dewsbury, Mann.—Lodged blue pilot cloth. Blue mixture, steel mixture, and Oxford mixture Peterbams.
- 90 SHEARD & SCHOLE, Batley, near Dewsbury, Mann.—Pilot cloth. Mixture fizee coating. Carriage or railway wrappers, &c.
- 92 WILSON, D. Batley, near Dewsbury, Mann.—Indigo blue pilot cloth.
- 93 BROOKE & SON, Honley, near Huddersfield, Mann.—Specimens in each stage of the manufacture of broad woollen cloth. Assortment of broad woollen cloth.
- 94 WALKER & SON, Huddersfield, Mann.—Buffalo, alpaca, mohair, and dog-hair cloth, for ladies' cloaks and men's overcoats; a new kind of material.
- 95 LEAROTT, E. Huddersfield, Mann.—Specimens of cashmere merinos, for ladies' boot tops.
- 98 TAYLOR, J. Meltham, near Huddersfield, Mann.—Fancy woollens.
- 97 SHAW, P. Lockwood, Huddersfield, Mann.—Woaded black broad woollen cloths.
- 98 PEACE, A. & Co. Clayton West, Huddersfield, Mann.—Silk chine dress. Silk and wool dress. Vesting silk and wool.
- 99 HINCHLIFFE & SON, Newmill, near Huddersfield.—Woaded mixed doekia, mixed durables, exhibited for cheapness and utility.
- 100 HIRST & GREEN, John St. Huddersfield, Mann.—Woolseys: cotton and woollen stuffs.
- 100A MASON & Co. Honey Lane, Chesapeake, Prod.—Specimens of printed cashmere and Lama, wool texture; printed chené glaze and embroidered cashmere, wool and cotton texture.
- 101 KENYON, J. & J. Dogley Mills, Huddersfield, Mann.—Woollen Silesian stripes for gentlemen's dress.
- 102 BENNETT, J. & A. Bradley Mills, near Huddersfield, Mann.—Cloths from Prussian and Cashmere wool. Double Napier cloths, of Vicuna wool, &c.
- 103 CARSLAND, W. & H. Huddersfield, Mann.—Woollen fancy pantaloons cloths, new designs and improved elasticity.
- 104 AKED & SON, Halifax, Mann.—Pantaloons; fancy checks; mixture coatings; plain lastings, and super worsted crapes; cashmeres, &c.
- 106 SHAW, J. W. & H. Victoria Mill, Huddersfield, Mann.—Woaded wool-dyed and piece-dyed black cloths, &c.
- 108 MIDDLEY BROTHERS, Huddersfield, Mann.—Super Angola mixture for trousers.

- 107 HASTINGS BROTHERS, Huddersfield, Mann.—Cloths doeskins and cassimeres.
- 108 WEGLEY & SONS, Huddersfield, Mann.—Bright blue cloth, for carriage linings.
- 109 VICKERMAN & BRAUMONT, Huddersfield, Mann.—Black broad cloths, cassimeres, and doeskins, piece-dyed.
- 111 LOCKWOOD & KEIGHLEY, Huddersfield, Mann.—Patent woollen cords, velvet and leather cloths, chiefly for trousers.
- 112 BARFLOOT & HIRST, Huddersfield, Wilshaw, and Metham, Mann.—Buckskin, Orleans, doeskins, and hair-line, for trousers, made from middle-price Port Phillip wool.
- 113 BARBER & SONS, Holmfirth, near Huddersfield, Mann.—Drab kersey for trousers or coats.
- 114 HOLMES & SONS, Scholes, near Holmfirth, Yorkshire, Mann.—Washed black doeskin and Vienna.
- 115 MALLINSON & SONS, Huddersfield.—Wool-dyed black doeskins, exhibited as specimens of manufacture and finish.
- 116 BRARDSELL, I. & Co. Thongsbridge, near Huddersfield, Mann.—Washed broad coating, made of Australian and Siberian wool. Fancy woollen trouserings.
- 117 SHAW, SON, & Co. Huddersfield, Mann.—Woollen cloths. Fancy trouserings; reversible cloth. Pattern cards of fancy goods.
- 118 TAYLOR & SON, Newsome Huddersfield, Mann.—Fancy waistcoatings; woollen trousers' goods; awails and scarfs; ladies' and children's dresses.
- 120 WEGLEY, J. & T. C. Huddersfield, Mann.—Moscow beaver; Moskito; Janas; partridge mixture, for shooting-coats; reversible cloth, finished on both sides; fancy trousers, &c.
- 121 WILLOTT, W. & Co. Huddersfield.—Drab livery, kersey, &c. Washed wool-dyed black cassimere, and wool-dyed black doeskin.
- 122 DAY & SON, Mold Green, Huddersfield, Mann.—Merinos, for the tops of ladies' boots, &c. Cashmerettes, cotton or silk shot with woollen.
- 123 THOMSON, W. Stonehaven, Scotland, Mann.—Specimen of a method of working up engine waste, into floor-cloth or carpeting.
- 124 SYKES & SONS, Woodhouse Lane, Leeds—Woolens, fast, common, and washed colours, wool-dyed and piece-dyed.
- 125 HITCHLETT, J. & G. Huddersfield, Mann.—Drab kersey; doeskins; fancy woollen trouserings.
- 126 STARKET, J. & A. Sheepridge, Huddersfield, Mann.—Drab woollen cords. Drab thickest constitution. Fancy, plain, and woollen velveteens.
- 129 CLAY, J. T. Rastrie, Huddersfield, Mann.—Woollen trouserings, from fine Saxony and from Australian wool. Waistcoatings, union cloth, and Vicuna cloth.
- 130 HAGGAS & SONS, Keighley, Mann.—Samples of Orleans, hstreen, worsted lining, and mohair.
- 131 SCHWANN, KELL, & Co. Bradford, Prop.—Merinos, Cobourgs, Hastings, alpaca. Silk and cotton dresses. Cotton and worsted checks. Cotton and wool plaids, &c.
- 132 OLDFIELD, ALLAN, & Co. Lockwood Mills, Huddersfield, Mann.—Specimens of the various stages of the fancy woollen manufacture. Patterns of fancy woollen trouserings, and broadcloth for over-coats. Doeskin and crepe trouserings, made from waste, &c.
- 134 REPLEY & SON, Bradford, Yorkshire, Dyers.—Orleans cloths and Cobourg cloths. French de laines and merinos, ombré damasks, and alpaca and balsarine brocades. Damask table-cover. Plain balsarines.
- 135 HARRIS & TROW, Bradford, Mann.—Circassian cloth; the waft is a combination of the finest wool, &c. Cloth woven from the hair of the Angola rabbit.
- 136 HORSFALL, J. G. & Co. Bradford, Mann.—Henrietta cloth, silk, and worsted. Fine Saxony cloth, all wool. Fine Cobourg cloth, cotton, and worsted. Cobourg cloth.
- 137 SALT, T. Bradford, Yorkshire, Mann.—Alpaca manufactures. Specimens of British and American alpaca wool, &c. Mohair manufactures, and specimens of mohair. Moreens made from English and Russia wool, with specimens of Russia wool.
- 139 QUITZOW, SCHLEINGER, & Co. Bradford, Prop.—Berlin wool, spun and dyed in England. Flax, produced by the new patent process of Mr. F. Clausen. Yarns, spun from the above flax, alone, and mixed with cotton, wool, and silk.
- 140 THOMAS, W. Haworth, Keighley, Bradford, Mann.—Dyed wool, combed; wool-dyed yarns, in hanks and on spools; dyed yarn, floated with silk.
- 142 TOWNEND, S. Thornton, near Bradford.—Worsted, heald, and genappe yarns, spun from English wools; healds, or harness for weaving; braids, poplins, &c. made from genappe yarn.
- 143 WHITLEY, J. Morton, near Bingley, Yorkshire, Mann.—Alpaca yarns prepared for weaving. Mixed Alpaca and mohair yarns.
- 144 SHARP, D. W. Bingley.—Alpaca yarns, prepared by Ross's new process. Mohair yarn and silvers, combed. Worsted yarn.
- 145 MILLEGAN & SON, Harden Mills, Bingley, Yorkshire, Mann.—Patent embroidered alpaca and silk furnitures-cloths, satin striped dress goods, damasks, &c. Alpaca program coatings. Mohair mixtures. Specimens of alpaca and mohair, &c.
- 146 STOWELLS & SUGDEN, Bradford, Mann.—Crimson and white two-fold mohair yarn.
- 147 ROGERS, G. Bradford, Mann.—Cobourg cloths; Henriettas, or princoetta cloths, silk warps.
- 148 TREMEL, A. & Co. Bradford, Mann.—Plain alpaca lustras and chameleons; figured Orleans; twilled satteens; figured Circassians, &c. in cotton warps, and piece dyed. Madonnas, or mixed alpaca lustras; silk warp alpaca lustras, in natural colours, and piece dyed. Mixed alpaca coatings, &c.
- 149 ARMITAGE, G. & Co. Bradford, Dyers.—Orleans, Cobourg, and Brazilian cloth; mohair, silk and mohair, and silk and alpaca figures. Exhibited as specimens of dyeing.
- 150 JOWETT, T. & Co. Bingley, near Bradford, Yorkshire.—Mixed fabrics, composed of cotton, alpaca, silk, and china grass, for vestings, dresses, &c. woven by power-looms.
- 151 FOSTER & SON, Black Dike Mills, near Bradford, Mann.—Goods made of cotton and alpaca; of cotton, silk, and alpaca; of silk and alpaca; and of cotton and mohair. Fancy coatings; vestings; Chiné; damasks. Alpaca mohair, and worsted yarns.
- 154 CRAVEN & SON, Prospect Mill, Thornton, near Bradford, Mann.—Lustre Orleans, in different qualities, blacks and colours.
- 159 GREGORY, T. & BROTHERS, Shelf, near Halifax.—Aprons, made of alpaca, and of mohair and cotton. Dress-length, mohair and cotton, and worsted, cotton, and silk.
- 163 CLAPHAM, W. Wilden, near Bingley, Yorkshire, Mann.—Cobourg cloths, of various qualities and colours.
- 166 WALL, COCKHOT, & WALL, Linton Mills, near Skipton, Yorkshire, Mann.—Shaded tapestry ground, with silk figure, shot and printed ground Orleans, &c.
- 167 MORTON, D. Baildon, near Bradford, Mann.—Ends of union tweeds. Cotton warp and woollen weft.
- 168 MILNER, J. & Co. Clayton, near Bradford, Mann.—Orleans, worsted weft and cotton warp.
- 169 KERSEW, S. & H. Laisterdyke, near Bradford.—Black Orleans cloth.

CLASS 12. *Woolen and Worsted.*

- 171 **TOWNSEND, R. & E.** Cullingworth, near Bradford, Mann.—Worsted heald and worsted genappe yarns; mohair poplin; worsted and mohair and alpaca yarns; worsted welf and warp yards.
- 172 **CHAVEY & HARRIS,** Bradford, Mann.—Cobourg and Paramatta cloths; full-twill cloths; shawi cloths; merino, Orleans, and alpaca cloths. Moreens. Union and worsted damaska. Canton cloths; lining and serge cloths, &c.
- 173 **DALBY, J.** Bradford, Mann.—Bombazines; silk crapes; silk stripes and check; worsted crapes and chinés; alpaca lustrés; alpaca and worsted figured cloakings and linings; Orleans and Cobourgs, &c. Dyed by Ripley & Son.
- 174 **BOTTOMLEY & SOU, SHELL,** near Halifax, Des. and Mann.—Figured Angora, and gauze lace, composed of mohair and silk. Figured mohair lustre, and Orleans of worsted and cotton. Mohair, and Orleans serge. Mohair lustre, &c.
- 175 **BOTTOMLEY, J.** 6 Cheapside, Bradford, Mann.—Plain and figured Orleans, embroidered with silk and black alpaca, &c. Crape embroidered with alpaca, and also with silk. Silk and worsted mixed lustres, embroidered with two colours of silk.
- 176 **PERK, W. & Co.** Bradford, Yorkshire, Mann.—Coburg cloths. Silk warp paramattas, Brasilians, and silk warp double twills.
- 180 **SHEPARD & PERFECT,** Cross; Hills Mill, Halifax, Mann.—Cotton and worsted, all worsted, and silk and worsted damasks. Victoria velvet damaska. Table covers. Worsted ponchos, &c. Patterns, registered.
- 181 **HOLDSWORTH, J.** Wakefield, Dyer and Finisher.—Pieces of stuff, mixed fabric of cotton and worsted, and cotton and mohair, figured and plain.
- 182 **CLAY & SOU, HALIFAX, Mann.**—Linsey, for jackets; plaiding; for drawers; cricket jackets; raised and milled kersey; fearnought; blue flannel; ironing blanket, &c.
- 186 **M'CREA, H. C.** Halifax, Mann.—Furniture damasks, piece and yarn dyed. Table covers, all registered. Poncho stuff, all worsted, used in South America.
- 188 **WARR, J. W.** Halifax.—Cotton and worsted damaska, Jacquard wove. Worsted damask for draperies. Victoria table-cloth, from cotton and worsted, fast colours.
- 187 **AKROYD & SON, HALIFAX, Mann.**—Table-covers; damasks; articles for ladies' dresses; plain goods, all worsted; plain goods, worsted and cotton; ponchos; yarns.
- 189 **BROWN, W.** Halifax.—Damasks and table covers, cotton and worsted, cotton, silk, and worsted, and worsted.
- 191 **WILSON, J.** Forest Cottage, Ovenden, near Halifax, Mann.—Ponchos, Mantans, and shawls; in woollen, cotton, and worsted.
- 192 **BAUGHEN, R. & T.** Banbury, Mann.—Mohair table-covers. Chinese prints. Livery plushes. Angora velvet plushes. Utrecht velvet. Mohair.
- 193 **BREWSTER & Co.** Abingdon St. Portland St. Manchester, and 46A Newgate St. London, Mann.—Utrecht velvet, for decorations, furniture, upholstery, and carriage linings.
- 194 **PEARSE, H. & Co.** Darlington, Mann.—Specimens of worsted manufacture. Lincolnshire wool in the fleece, with samples of hand-combed top, &c. Wool in the fleece, Cheviot, Southdown, Australian, and Saxony.
- 195 **KAY, RICHARDSON, & WOOD,** Chancery Lane, Manchester, Mann.—Brocade Chene, Chene Barège de Valenciennes. Chene Versailles. Barège robe de Verona.
- 198 **DIXON R. & T.** Galashiels, Scotland, Mann.—Saxon wool plaids. Specimens of Scotch tweed.
- 197 **INGLIS & BROWN,** Galashiels, Scotland, Mann.—Specimens of Scotch tweeds.
- 199 **ROBERTS, W. & Co.** Galashiels, Scotland, Mann.—Pieces of Scotch tweeds.
- 200 **SANDERSON & SERRALL,** Galashiels, Scotland, Mann.—Scotch tweed trouserings.
- 201 **COCHRANK, J. & W.** Galashiels, Scotland, Mann.—Specimens of Scotch tweed trouserings.
- 202 **BALLANTYNE & SON,** Galashiels, Scotland, Mann.—Ladies' woollen scarfs or shawls. Woollen tartans for ladies' dresses. Scotch tweeds.
- 203 **CLAFFERTON, T. & G.** Galashiels, Scotland, Mann.—Scotch Stewart and fancy plaids. Scotch tweeds.
- 204 **SOUM, J. & Co.** Galashiels, Scotland, Mann.—Plaids worn by the Scotch Highland regiments. Ladies' and gentlemen's plaids. Scotch tweed vestings, &c.
- 205 **LEES, R. & G.** Galashiels, Scotland, Mann.—Plaids, shawls, and cloakings.
- 206 **SANDERSON, R. & A. & Co.** Galashiels, Scotland, Mann.—Scotch woollen clan and fancy plaids. Gentlemen's plaids.
- 207 **GILL, R.** Inverleithen, Scotland, Mann.—Regimental tartans, in a summer fabric, made of fine Saxony wool. Tartans, for ladies' dresses, made of Saxony lambs' wool, &c.
- 210 **BLACK & WINGATE, Mann.**—Samples of cotton yarn. Cotton lawn and cambric handkerchiefs. Fine cotton Scotch cambric. Fine bishop's lawn. Woven fancy shirt fronts. Fancy printed cotton and linen handkerchiefs, &c.
- 211 **CAMPBELL & Co.** 34 Candleriggs St. Glasgow, Prop.—Scotch printed cashmere d'écosse and other long shawls. Woven square shawls, Scotch printed, &c. Scotch printed mufflers. Barège and cashmere handkerchiefs, &c.
- 212 **CROSS, W. G.** Queen St. Glasgow, and 45 Friday St. London, Mann.—Saxony wool shawls, clan, shepherdess, and fancy patterns, square, long Byzantine style, pure cashmere. Saxony wool plaid dresses.
- 213 **FYFE, A. & Co.** 77 Queen St. Glasgow, Mann.—New dress fabrics. Fancy cotton and union shawls.
- 214 **JEFFREY, R.** Mary Hill, Glasgow, Kirkcaldy, Forfar, and Brechin, Mann.—Samples of huck, dowels, ticks, loom sheeting, diaper, huck, and twill dusters, blue linen, &c.
- 215 **LALD & THOMSON,** Ingram St. Glasgow, Mann.—Set of clan patterns in gala cloth.
- 216 **LEADBETTER, J. & Co.** Glasgow, Mann.—Pieces of fancy linen, entire; mixed and union. Linen listados. Fancy linen drills.
- 217 **RADFET, KNOCK, & Co.** Glasgow, Mann.—Shawl dresses for robes de chambre, wool and cotton.
- 218 **WINGATE, SOU, & Co.** Glasgow.—Harness woven long and square shawls; printed Barège and Cashmere and woven woollen shawls. Woollen goods in the piece.
- 219 **GILMOUR, W. & Co.** Glasgow, Mann.—Scotch woollen tweed trouserings; Scotch woollen Saxony tartans.
- 221 **DAVIS & SOU, Stonehouse Mills, Stroud, Mann.**—Scarlet military cloth. White cloth for uniforms. Scarlet cloth, for foreign uniforms. Black cloth, cassimere, and doeskins.
- 223 **HOOPER, C. & Co.** Eastington Mills, Stroud, Mann.—Cloths, wool-dyed, woaded, piece-dyed, &c. Single-milled cassimere. Patent elastic trousering, and gloving cloth.
- 224 **HELMER, W.** New Mills, Stroud, Mann.—Cassimere waistcoats, doeskins, cashmerette, silk warp, woollen welfs. Cassimeres. Sardinians for waistcoats.
- 226 **MARLING, S. S. & Co.** Ebley Mills, Stroud, Mann.—Superfine broad cloth, wool-dyed, woaded black, &c.; superfine doeskin, superfine cassimere, &c.
- 228 **PLATNER, P. P. & C.** Nailsworth, Mann.—Woaded wool-dyed cloths. Illustrations of the process of manufacturing woollen cloth.
- 229 **PARTIDGE, N.** Bowbridge, Stroud, Des.—Double-colour woollen cloth, for officers' cloaks, dividing saloons in the East, curtains, &c. Army cloth, improved red.
- 230 **SAMPSON, T.** Lightpill Mills, Stroud, Inv.—Machine for twisting the fringe of wool shawls. Wool shawls. Twilled black flannel. Scarlet flannel.

CLASS 12. *Woolen and Worsted*

- 231 **GAMER, M.** Capela Mills, Stroud, Mann.—Mattress-wools, woollen millpufts, and flocks, &c. manufactured by improved machinery, and purified during the process.
- 232 **FRILLERS & SMITH, Melkham, Mann.**—Fine Saxony broad cloth, woaded olives, woaded rifle, and wool-dyed black.
- 233 **KNOWNS, J. & Co.** Bradford, Wilts, Mann.—Super-fine woollen wool-dyed cloths, made on a patent principle, and of superior dye. Superfine woollen cloth, waterproofed.
- 234 **PARKES, D.** 44 College Green, Bristol.—Black single-milled kamaymere.
- 235 **CHICK, R.** Knapp Mills, near Chard, Somerset, Mann.—Samples of drab cloth, made of English wool by powerloom.
- 236 **MARTIN, J. Jun.** Cokermonth, Inv.—Improved ventilating waterproof cloth and paper: the paper made by I. Cropper, Burneside, near Kendal. Patented.
- 237 **STANTON & SON, Land's Mill, Fordington, near Dorchester, Mann.**—Drab milled waterproofed cloths, made from English wool.
- 238 **LEWIS, W.** Llandiloawn, Wales.—Welch woollen cloth.
- 239 **FARSON, J.** Carlisle, Mann.—Cotton shirting stripes. Striped and checked cotton ginghams. Woollen and cotton trouserings.
- 240 **BONCESS, A. & Co.** Leicester, Mann.—Wool, in various states for spinning worsted and woollen yarns. Hosiery, Alpaca and mohair yarns, &c.
- 241 **GARDY, G.** Kendal, Mann.—Brace, girth, and roller webs, in worsted and woollen. Horse sheetings, railway blankets, collar-checks, &c. for saddlers.
- 242 **WILSON, J. & W.** Kendal, Mann.—Railway wrappers. Stout horse-clothing; also, fine and light, for race-horses.
- 243 **IRELAND, J. & Co.** Kendal, Mann.—Railway-traveling and bed-rugs, horse blankets, Alpaca cloth, saddle-cloths, Prince's check and kersey, Saxony lining, flannel, plaiding, Hsney druggat, gentlemen's scarfs, &c.
- 244 **NEWCOMB, J.** Grantham, Lincolnshire, Mann.—Waterproof wrapping and cloths. New materials for shoes, goloshes, &c.
- 245 **LOYD, W. & Co.** Newtown, Montgomery, Wales, Mann.—Specimens of Welch flannel, all manufactured from sheep's wool.
- 246 **HUGHES, R.** Tregarth, Bangor, Wales, Mann.—Gown pieces and apron woven in a loom, invented and made by the exhibitor.
- 247 **DALRYMPLE, W.** Union Mills, Douglas, Isle of Man, Mann.—Shepherd plaid, made from Australian wool; and striped and tweed cloth and shepherd plaid, made from Isle of Man wool.
- 248 **BLISS, W.** Chipping Norton, Oxfordshire, Mann.—Kersey check webbing, &c. for horse-clothing. Tweeds for trousers. Alpa Vicuna beaver cloth, and Royal shawl. Angola and Beaver shawls. Coverlattes for beds, &c.
- 249 **EARLY, J. & Co.** Witney, Mann.—A variety of Witney blankets.
- 250 **EARLY, E.** Witney, Mann.—Witney blankets, made from different descriptions of English wools. Crib blankets, girth and roller webs, &c.
- 251 **WHEELER, W. S.** 4 Ludgate St. and Freshford, near Bath, Mann.—Samples of patent dress beavers, patent mohair cloths, fancy doeskins, and woollen and silk vestings.
- 252 **CARR, T. & W.** Twerton Mills, Bath, Mann.—Cloths from German wool. Bath fur beaver, and dressed fur of fine Australian wool. Black beaver, and black Venetian, or summer cloth of German wool.
- 253 **JOHNSON, J.** Newmill, Elgin, Scotland, Mann.—Maunds, or plaids, made of undyed or natural brown wool.
- Natural brown tweed, of different wools, waterproofed, cheap and durable.
- 254 **CROMBIE, J. & Co.** Cothal Mills, Aberdeen, Mann.—Scotch tweeds, of various qualities.
- 255 **BAUMANN & WURSCHEL, Glasgow, Agents and Mann.**—Printed shawls of wool, worsted, and cotton. Printed cotton shawls and handkerchiefs. Linens, in various stages of manufacture. Mixed fabrics.
- 256 **BYERS & SON, Langholm, Mann.**—Shepherd's tweed; railway plaid, &c.; cotton and wool; and linsey, made of cotton and wool.
- 257 **BOWMAN & SON, Langholm.**—Shepherd tweeds of Scotch and Anstalian wool. Shepherd unions, cotton and wool. Gentlemen's shepherd plaid German wool.
- 258 **REID & SON, Langholm, Mann.**—Cotten and Scotch wool hose; shepherd's plaid check, &c. made from Cheviot, Australian, and German wool.
- 259 **DICKSONS & LAING, Hawick and Glasgow, Mann.**—Scotch lambs'-wool hosiery, &c. Clan, shepherdess, and fancy tartan wool plaids. Cheviot, Australian, and Saxony wool trouserings.
- 260 **LAIDLAW & SON, Hawick, Scotland, Mann.**—Patterns of hose underclothing. Night-caps. Tweed for trousering. Australian and Cheviot wools.
- 261 **BAMFORD, J.** Rochdale, Lancashire, Mann.—Fine gauze flannel, manufactured from sheep's wool.
- 262 **HANCOCK & SON, 9 New Brown St. Manchester, Mann.**—Black broad cloth. The same, wool and cotton.
- 263 **FINN BROTHERS & Co.** Dublin, Des. and Mann.—Irish poplins. Double tabinet, &c.: registered designs. Brocaded poplin.
- 264 **ATKINSON, R. & Co.** 31 College Green, Dublin, Prop.—Irish poplin jacquard loom, with new brocading machine. Irish poplins brocaded and gold-barred; and gold tissue. Brocaded and tissue Irish poplin scarfs; striped furniture and figured tabourets, &c.
- 265 **RYEHOLDS, W.** 81 Grafton St. Dublin, Des. and Mann.—Imperial blue and gold, and white and gold tissue poplin. Figured furniture. Corded, plaided, tartan, and checked poplins.
- 266 **FAY, W. & Co.** Dublin, Mann.—Plaid tartan, and brocaded poplins, &c. Patterns of coach leaces.
- 267 **DILLON, L.** 7 Parliament St. Dublin, Des.—Friezes and runsuzzles. The runsuzzle is made from undyed foreign wool.
- 268 **EDMONDESTOWN, ELIZ.** Balmacsound, Shetland.—Specimens of knitting, manufactured in Shetland from the wool of the sheep of the island, which is spun by the wives and daughters of the fishermen in the ordinary lint-wheels, and knitted by them at their own homes.
- 269 **WILLIAMS BROTHERS & Co.** Island Bridge Mills, near Dublin, Mann.—Super frieze, shepherd's plaids; military tartan, and woollen shawl yarn.
- 270 **ALLEN, R.** 28 Lower Sackville St. Dublin, Prop.—Irish made heather tweeds. Irish frieze. Black cassimere Irish embroidered vests; the designs by J. Healy, a pupil of the Dublin School of Design; worked by Miss Hamilton and others. Irish linens, &c. Samples of the skill both of the Irish weaver and sempstress. Irish frieze wrappers, &c. specimens of the talent of Irish manufacturers, as well as of Irish tailoring. Samples of figured and double-watered Irish tabinets, manufactured by E. Jones, of 3 St. Andrew Street, Dublin, &c.
- 271 **NICOLLA, A.** Cork, Ireland, Mann.—Blankets, flannels, swanskins, and friezes.
- Shawls in the South-west Gallery of the Transept.*
- 272 **KEAR & SCOTT.**—Grenadines, all silk; and Barège, silk and wool. Crapes, printed in imitation of real China.

CLASS 12. *Woollen and Worsted.*

Long floral Cashmeres, and soft silks, &c. Mann. by R. Kerr, Paisley.

292 JAMES & BARK, Honey Lane Market, Cheapside, Mann.—Barège shawls, printed, wool texture; silk and mixed texture. Cashmere d'Écosse, printed, wool texture. Crape shawls, printed, silk texture.

293 WALKER & HALES, 31 Milk St. City.—Printed Barège shawls: Cashmere and Grenadine. Printed handkerchiefs, and Fouled dresses.

295 GLEN & MITCHELL, 124 Wood St. London, and Barrhead, Glasgow, Printers.—Printed barège, grenadine, and satin Cashmere shawls. Printed mufflers.

296 KERR & SMOCKHORN, 124 Wood St. Prop.—Shawls: printed Barège; grenadine silk: Cashmere; mufflers; and satin, long and square.

297 SWANLAND, C. Crayford, Kent, Mann.—Printed barège shawls. Printed Chinese velvet for furnitures, or "application plush." Printed flannels for dresses.

298 LITTLE, MARY ANN, Merton Abbey, Surrey, Prod.—British barège shawls and twilled bandannas, wax and chints print, &c.

299 STANLEY & CO. 112 Jermyn St. St. James's, Imp.—White Shetland knitted shawl, veil, stockings, gloves, hand span.

302 BLACKLEY, E. T. River House Factory, Duke's Palace, Norwich, Mann.—Norwich Cashmere green scarf shawl, gold introduced. Shawls of Cashmere wool, design by John Funnell. Anglo-Indian scarfs, shawls, dresses, brocade, &c.

304 WHITEHEAD, M. & Co. Paisley, Mann.—Scarfs, with tambooured ends; and shawls and handkerchiefs, embroidered. Embroidered vests. Satin aprons, and habits' robes. Tambooured and embroidered dresses, &c. Silk dresses.

305 BLACKLEY, E. London St. Norwich, Prop.—Lace scarf, made at Miss Stanley's school, Norwich, design composed exclusively from natural flowers. Lace bertha, from an arabesque pattern by Mr. Stewart, master of the Norwich School of Design.

307 BURGESS, C. Paisley, Mann.—Long woven shawls.

308 BAIRD, J. Paisley, Mann.—Embroidered French merino ladies' dresses. Embroidered Canton crape shawls.

309 FORBES & HUTCHINSON, Paisley, Mann.—Paisley woven, printed, tartan wool, embroidered, and figured gauze shawls. Embroidered handkerchiefs. Wool mufflers. Embroidered vests and robe. Tartan and printed dresses.

310 ARMSTRONG & YULL, Paisley, Mann.—Printed long and square shawls.

312 LAWSON, J. & Co. Caledonia Print Works, Paisley.—Barège printed plaids, in wool and in silk.

313 DICK & SON, Paisley.—Printed Cashmere shawls.

314 ROXBURGH, J. & A. Paisley, Mann.—Woven long shawls.

315 MACYARLANE, SON, & Co. Paisley, Mann.—Spun silk fabrics for ladies' dresses, in clean tartan and fancy designs.

317 MORGAN, J. & Co. Paisley, and St. Paul's Churchyard, London, Mann.—Woven long shawls, of Cashmere yarn, of silk and wool; and of mosaic style. Woolen plaids. Printed barège long shawls.

317A KERR, E. Paisley, Mann.—India long and square shawls. Printed and fancy wool long and square shawls.

317B ROBERTSON, J. & J. 3 Forbes Pl. Paisley, Mann.—Coloured woven harness. Wool plaids and shawls. Coloured printed plaids and shawls, in barège, Cashmeres d'Écosse, &c.

317D ROYAL, R. T. & J. Paisley, Mann.—Printed Barège and Cashmere long shawls. Printed wool square shawls.

318 WHELAN & SON, Edinburgh, Mann.—Tartan plaids, or long shawls, of various Highland clans, combined or separate.

321 SALOMONS & SON, 42 Old Change, Prop.—Ladies' embroidered robes, &c. Irish and French cambric handkerchiefs. Muslin trimmings, flouncings, and insertions, &c.

324 GODEFROY, P. A. 3 King's Mead Cottage, New North Rd. Islington, Inv. and Mann.—Woven fabrics, finished by patent machinery and chemical agency.

327 CLARIBURN & SON, Norwich, Mann.—Registered figured Cashmere shawls. Spun-silk, fancy check, and Albanian silk shawls. Registered Jacquard figured poplins, and chiné poplins; and mixed fabrics, &c.

328 WILLIAMS, E. NEPHEW, & Co. Norwich.—Mixed fabrics for dresses, consisting of bombazines and paramattas; poplins, brocades, chinés, &c. A mixed fabric, composed of materials from nine different countries.

331 to 330 placed on the North Wall with Class 6.

331 BRATHWAY, G. 61A Park St. Camden Tn. Mann.—Pictorial mosaic cloth-work table-cover or quilt.

332 GIBSON, W & Co. Tillicoultry, Alloa, Scotland, Mann.—M'Kenzie and M'Lean clan tartan woolen shawls. Fancy woolen shawls. Fraser and Forbes clan tartans, &c.

333 ARCHIBALD & SON, Tillicoultry, Alloa, Scotland, Mann.—Rob Roy, Colquhoun, and M'Donald of Staffs tartan long shawls. Fancy tartans. All wool.

334 ARCHIBALD, J. & R. Tillicoultry, Alloa, Scotland, Mann.—Malcolm and Bruce tartan wool shawls. Fancy wool shawls. Royal Stewart and Gordon tartans.

335 FAROW, J. & D. Tillicoultry, Alloa, Scotland, Mann.—Fancy wool tartan, designed by Romance and Patterson, Edinburgh. Long wool fancy shawls, designed by Mitchell, Miller, and Ogilvie, Glasgow, and Arthur and Fraser, Glasgow.

336 BRUNTON, W. J. & Co. St. Leonard's Factory, Edinburgh, Des. and Mann.—A variety of fine wool scarf shawls. Superior gentlemen's plaids. German lambs' wool and yarn, of which the shawls are made.

337 SINCLAIR, J. JUN. 49 South Bridge St. Edinburgh, Mann.—Scarf plaids, all wool.

338 WILSON & SON, Bannockburn, near Stirling, Scotland, Mann.—Specimens of carpeting, and the tartans of the Scottish clans, from wool of the black-faced and Cheviot sheep.

339 BROWN, J. & H. & Co. Etrick Mills, Selkirk, Scotland, Mann.—Scotch tweeds and fancy woollens, of various new mixtures and styles.

427 COWGILL, JEMOP, & Co. Huddersfield, Mann.—Cashmerettes for coats and ladies' boots.

428 BRADKILL & SON, Holmebridge, Des. and Mann.—Woolen pantaloons, plain and fancy.

429 BIRD, R. Crewkerne, Mann.—Linen, worsted, white and coloured linen and worsted; webs for girths, braces, &c.

430 CLAPHAM, J. Bradford, Mann.—Net, cotton and alpaca; net, cotton and worsted; Cobourg cloth, cotton and worsted; diagonal lining, cotton and alpaca.

431 CLARK, J. JUN. & Co. Caneyside, Paisley, Mann.—Printed Cashmere long and square shawls or plaids.

432 CLARK, T. Stephen St. Waterford, Ireland, Mann.—Blue cloak, of camel stuff, made by Coleman, Stephen Street, Waterford; has been worn for twenty years. Samples of serge and carpeting.

433 DALY, J. Cabal.—Specimens of plain frieses, chiefly used for men's clothing and horse sheeting. Manufactured at Rossmore Mills.

434 DAW, W. 10 Little Knight Rider St. Des.—Designs for a Cashmere shawl, with silk flowering; and for a printed shawl, of woolen fabric, and figured.

435 ESCOFF, W. & SON, near Burnley, Mann.—Powerloom Cobourg cloth wool; Orleans cloth; Saxony Orleans

- cloth; mousseline de laine; power-loom Saxe Coburg cloth; power-loom *barège de laine*, made from cotton and wool; buntin for colours, &c. Worsted Heald yarn; genappe cord; press bagging, &c.
- 436* **HOADLEY & PRIDE**, Halifax, Mann.—Damasks, for furniture purposes, manufactured of silk, cotton, and wool, either separately or in combination.
- 437* **HOLMES BROTHERS**, 7 St. Mirren's St. Paley, and 21 Friday St. Cheapside, London, Mann.—Fine wool tartan long shawls. Fancy tartan and plain wool. Vienna long shawl. Wool tartan cloaking.
- 438* **HOTLA, W. & R.** Halifax, Mann.—*Leasing serge de Berri* and satin Français, silk and worsted. Victoria cord, cotton and worsted; and worsted. Merino, cotton and woolsen, for ladies' boots, &c.
- 439* **HUGHES**, W. Bethesda, near Bangor, Wales, Mann.—Durable bed covering.
- 440* **HUGHES**, W. Benygroes, near Carnarvon, Weaver.—Worsted and silk dresses. Aprons, of Welsh linsey. Table-cover, of wool and flax; a specimen of Welsh weaving.
- 441* **HUGHES**, ANN, Horkleton, near Clebury, Salop, Mann.—Netted thread shawl and scarfs, netted and lace vells; netted bordering; netted caps, collars, and cuffs. Silk purses, and guards. Worked muslin frock bodies.
- 442* **JOHNSON**, J. Lockwood, Huddersfield.—Floss-yarns, in various shades.
- 443* **JUKS & SONS**, Batley, near Dewsbury, Mann.—Wool dyed Witney and pilot cloth. Woolen fabric, with cotton lining. Blue pilot cloth, piece dyed.
- 444* **JUKS**, J. Batley, near Dewsbury, Mann.—Stout blue pilot cloth for railway guards and engine-men's great coats.
- 445* **KIRKE, D. & Co.** 194 Wood St. Mann.—Rich tissues, brocades, brocatelles, silk damasks, silk and worsted damask, carriage linings, diaphans, window blinds, &c.
- 446* **MACDONA**, L. 32 Molesworth St. Dublin.—Specimens of the "Albert frieze;" heather and black tweeds. Patent drawers. Tabinet and cloth vesting, embroidered with gold.
- 447* **MACDOUGALL**, D. Inverness, Scotland, Mann.—Loom-wove tweeds and tartans. Highland carpet, made from first-class Sutherland Cheviot wool. Home-manufactured tweeds and tartans. Plaid and tweed manufactured at St. Kilda, the most remote of the British islands. Home-made gloves of wool, and of wool of the white mountain hare. A woman's shoulder plaid, &c., showing the state of industry in Lewis eighty-three years ago. Linsey-woolsey, made of Cheviot wool and bog cotton. Tweed, &c., made of Vienna wool. Highland brooches, made of carved bog-oak, deer's teeth, and Cairngorms. Highland ornaments. Yarns, showing native dyes; native dye-stuffs. Specimens of rock crystal, or Cairngorm, from the mountain of that name in Invernesshire.
- 448* **MARRIOTT & SON**, Wakefield, and 71 Queen St. London.—Knitting worsted and lambs'-wool yard, soft and hard spun.
- 449* **MASON, W. & Co. Prod.**—Dress fabrics: printed Cashmere and llama wool texture; and embroidered Cashmeres, wool and cotton texture.
- 450* **MERRITT**, W. Leeds, Mann.—Jar of size from chemical and animal substances.
- 451* **MILLS, ELIZABETH**, Dolgelly, Inv. and Mann.—Linsey dresses, mixed with silk. Linsey aprons. Waistcoat pieces, of Welsh wool. Welsh cloth, for gentlemen's shooting-clothes, &c.
- 452* **MURPHY, MARGARET**, Ballysmutton, Biesaton, Ireland, Mann.—Home-made frieze, from wool grown and spun by the exhibitor.
- 453* **NEILL, CATHKINE, & SONS**, Tallaght, Dublin, Mann.—Brown mixed, and sheep's gray frieze. Blankets.
- 454* **NORRIS, J.** Clayton West, Huddersfield, Mann.—Model of manufacturing premises. Summer shawls and coatings. Registered winter woolen shawls, waistcoatings, cloakings, glove-cloths, trouserings, &c.
- 455* **PALLING, W.** Lower Mills, Painswick, Mann.—Double-milled scarlet hunter, double-milled cloths. Fine single-milled scarlet, billiard cloths, &c.
- 456* **PHILLIPS, J.** Knapp Mills, near Chard, Somerset, Mann.—Striped, plain blue, and white linsey, made from flax and wool.
- 457* **POFFLERON, R.** Westgate, Wakefield, Mann.—Manufactured knitting worsted and yarns.
- 458* **RAND & SONS**, Bradford, Mann.—Cobourg cloths, cotton and worsted; the same, with silk warp; merinos, moerens, single and double twill. Several of the pieces exhibited are of the finest description of worsted goods.
- 459* **REARICK, T. & A.** Langholm, Mann.—Linsey-woolsey weft, Eskdale shepherd plaid, and Scotch hosiery yarn; Scotch tweed and marble yarn, of Australian wool.
- 460* **ROBERTS, R.** Llanberris Rd. Carnarvon, Wales, Mann.—Linsey-woolsey manufactures.
- 461* **SALZKA, S. & Co.** Trowbridge, Wilts, Mann.—Specimens of fine woollen trouserings.
- 462* **SCHORFIELD, A.** Spring house, near Delph, Saddleworth, Mann.—Patterns of woollen goods manufactured in the years from 1780 to 1830, showing styles of that period. Fine doeskin, or satin-face, all wool. Cashmere and merino. Made fabrics, with specimens of dyeing. Fine patent black broadcloth, and cassimeres.
- 463* **SCHWANN, F.** Huddersfield and Leeds.—Shoethreads, composed of flax.
- 464* **SCHWANN, F.** Huddersfield.—Fancy vesting and pantaloons stuffs. Cashmerettes and merinos. Beavers and pilot cloths. Tweeds. Plaids and checks. Bookskins, &c. of mohair, alpaca, and Vienna. Elephant and rhinoceros skins. Shawls, carpets, blankets, &c.
- 465* **SCHORFIELD, J.** Rastrick, near Huddersfield, Mann.—Fancy trouserings. Silk, woollen, and cotton waistcoatings. Patent British cashmeres, all wool. Fancy bed furniture. Fancy dresses and shawls.
- 466* **SEMON, SILTZKA, & Co.** Bradford, Prop.—Orleans cloth, manufactured by Chapman and Whitaker, Baildon; by Lund, Keighley; and by Turner, Horton. Orleans cloth, by Milner and Co. Clayton: all dyed by J. M. Kirk. Lastings, serges de Berry, and damasks, by Taylor and Sons, Ovendon: dyed by Smith, Halifax. Carded worsted yarns, spun by Taylor and Sons.
- 467* **SEMON, J.** Batley, near Dewsbury, Mann.—Marbled pilot cloth, green, white, and black. Alpaca cloth, black.
- 468* **SLATER, H.** Yeadon, near Leeds, Mann.—Woollen netting, for the protection of the bloom of fruit-trees from frost.
- 469* **SMITH, W.** Batley, near Dewsbury, Mann.—Wool-dyed Witney. Pilot cloths. Napped pilot.
- 470* **STEAD, W. & Co.** Leeds, Mann.—Superfine broadcloth, and wool-dyed wooded black. Sample of fine German wool.
- 471* **SUGDEN, J. & BROTHERS**, Dockroyd Mills, near Keighley, Bradford, Mann.—Plain and striped calimancoes; shalloons; merinos; cubics; summer cloths; union printings; bombaset; genappes, &c.
- 472* **TOLSON & SONS**, Dalton, Huddersfield, Mann.—Waistcoatings; trouserings; challi wool plaids, for children's dresses.
- 473* **TOWLER, CAMPIN, & Co.** Elm Hill, Norwich, and 46 Friday St. London, Mann.—Villover scarves; silk ground. Printed silk, and silk net shawls. Ladies' paletots, worked

Illustrations of the production and manufacture of silk in general.

67 HADWEN & SONS, Heyroyd Mills, near Halifax.—Specimens of raw material: waste silk, in the dressed state and carded; the same in the slubbing and thick roving, and in the fine rovings. Single and double spun silk yarns.

44 SMYTH, MARY, 3A Abbey St. Bethnal Green, Des. and Mann.—Chesille shawl, made of the choicest silk, and manufactured in a loom expressly made for that purpose.

44 BARNES, ELIZABETH, 35 Queen St. Oxford, Des. and Mann.—Counterpane, composed of 9,851 pieces, made by an invalid in a lying position.

45 GROSVENOR, W. Kidderminster.—Silk brocade, brocatelle, and figured satinnet damasks for upholstery.

46 DAVIDSON, J. & Co. Leek, Mann.—Tailors' sewing silks; silk twist; milliners' sewing silk; stay silk; embroidering silk; saddlers' silk; tram; purse twist; and silk serge.

46 DAILY, H. 9 St. James's Pl. Hampstead Ed.—Dyed and embossed, soiled, and faded satins.

47 BAUGH, J. J. Leek, Mann.—Sewing silks. Purse or netting silk. Leger twist; silk twist.

48 WESTON & SON, Leek, Mann.—Buttons, including Florentine, brown Holland, real twist Italian, youths' dress silk, silk fancy vest, ladies' silk dress, &c.

48 SIMPSON, MILES, 5 Aldermanbury Postern, 4 Milk St. Manchester, Leek, and Derby, Mann.—Specimens of the leading classes of raw silks, from France, Italy, China, Bengal, and Turkey, selected by Durant & Co. Sewing, netting silk, and twist. Raven and jet sewings. Crotchet and mohair silk. Shoe mercery, &c.

49 STUBBS, P. Leek, Mann.—Needle-worked silk buttons.

49 TOWLER, CAMPBELL, & Co. Elm Hill, Norwich, Mann.—Pilliver scarf, silk ground; the pattern extends four yards in length and two in width. Shawls. Norwich chall. Paramatia cloth, &c.

50 ALMO, ROBIN, & Co. Leek, Mann.—Silk serges. Black silk handkerchiefs, 20 handfacing. Prussian bindings, and sewing silk. Rich twist, dyed by W. Hammersley & Co., Leek. Netting silk. Barber's twist. Silk whip-lashes, Needlework buttons, &c.

50 WRIGHT, P. & R. Edinburgh, Des. and Mann.—Duke of Wellington on horseback, in silk damask.

51 DAVENPORT, G. Leek.—China and Bengal organzine. Bengal tram. Bengal large skein sewings. Silks for netting, embroidery, and artificial flies.

52 HAMMERSLEY and BENTLEY, Leek, Mann.—Twist of various colours, for tailors. Italian sewings, for tailors and milliners. Purse twist.

53 EVANS, S. Wicksworth, Derbyshire, Mann.—Specimens of silk plush for vestings.

54 TUCKER, J. & C. Chesterfield.

55 HOLDFORTH & SON, Leeds, Inv. and Imp.—Specimens of the article known as silk waste; spun silk yarns, and samples of silk yarn, dyed and finished, spun by the exhibitors' patent process.

56 PULLING, J. 6 Brudenell Pl. New North Rd.—Trains of crape tunics and tucks, &c. Mantle. Elizabethians. Berthas.

57 STILLWELL & SON, 7 White Lion St. Norton Folgate, Mann.—Brocatelle, for curtains, &c. Damasks. Pattern of Dalmatia robe, worn by Her Majesty at her coronation.

57A BOOTH & PIKE, 43 Oldham St. Manchester, Mann.—Imperial or carded plush for hats, bonnets, &c., in the various stages of manufacture. Galloons, hat-bands, hat-lings, &c.

58 HOULDSWORTH, J. & Co. Portland St. Mill, Manchester.

59 WINKWORTH & PROCKES, Manchester, Mann.—Figured silks. Chinese silk, striped and watered, and plain silks.

60 COX, R. S. & Co. Coventry, Mann.—Rich sashes and other ribbons.

61 BRAY, C. & Co. Coventry.—Ribbons illustrative of the ordinary Coventry ribbon manufacture.

62 CALDWELL, R. & R. Coventry, Mann.—Ribbons: specimens of Coventry manufacture.

63 SHARP, ODELL, & JURY, Coventry, Mann.—Ribbons, illustrative of a medium quality of goods manufactured at Coventry.

64 COPE, HAMMERTON, & Co. Coventry, Prod.—General fancy ribbons.

65 HARROP, TAYLOR, & PEARSON, Piccadilly, Manchester, Mann.—Gros de Naples. Black edged ducapes. Tape edged armazine. Black velour. Glace silks. Gros d'Ecosse.

66 ALLEN & HOLMES, Derby, Mann.—Black silk ribbons and braids. Algerines. Black satin trimmings. Silk warp, prepared for the manufacturer.

67 BRIDGER, T. & Co. Derby, Mann.—Specimens of sewing silk for saddlers, bookbinders, staymakers, tailors, &c. netting or purse-twist, and plain saraset ribbon.

68 RATLIFF, J. C. Coventry, Mann.—Ribbons illustrative of Coventry manufacture. Plain satin, striped or velum satin, and plain and pure edged lutestring ribbons; simple fancy ribbons.

70 BERRY BROTHERS, Coventry.—Watered pad ribbons. Half China ribbons, used for tying up cambrics, gloves, &c. the narrowest woven silk fabric.

71 WALKER & HART, Coventry, Mann.—Group of ribbons, illustrative of cheapness of production.

72 ROBINSON, T. Coventry.—Satin, lutestring, and figured ribbons; and rich brocaded ribbons, made by steam.

73 McRAR, J. Coventry, Mann.—Mourning gauze; crape, love, and rich figured lutestring ribbons.

74 STURDY & TURNER, Coventry, Mann.—Samples of ribbons, remarkable for beauty of design, and the application of steam power to their manufacture. A peculiar quality of white ribbon, &c.

75 BROWETT, W. & H. Coventry, Mann.—Ballion, sewing silk, and mohair fringes. Silk brace webs. Gimp trimmings, &c. Dyed silks and cottons used in the above manufacture.

CLASS 14. *Flax and Hemp.*

1. HOLDER, J. & Co. Belfast, Ireland, Des. and Mann.—Sewed book muslin collar capes. Caps. Infants' frock bodies. Cambric and book insertion. Sewed cambric founcings. Linen cambric handkerchiefs. Polka jackets.

2 ANDREWS, M. Royal Manufactory of Linen and Damask, Ardoyne, Belfast, Ireland, Mann.—Table cloth to be presented to the Earl of Clarendon by the Royal Society for the promotion and improvement of the growth of flax in Ireland. Table cloth of new pattern, designed by J. Mackenzie, Government School of Design.

3 BROWN, J. R. & W. Bangor, County Down, Ireland, Mann.—Lady's robe, and baby's robe, embroidered muslin.

4 PELLING, C. Belfast, Mann.—Lady's robe, designed by M. McKinsie, Belfast. Embroidered linen shirt fronts.

5 COULSON, W. Lisburn, Ireland, Des. and Mann.—Fine damask table-cloths and napkins.

6 CLIBORN, HILL, & Co. Banbridge, Ireland, Mann.—Bird-eye diapers, manufactured from the best quality of linen yarn.

6A DEVON, MENCHENKES, & ROUTLEDGE, 24 Lawrence

Lane, Prop.—Damask table linen exhibited as good and cheap. Printed cambrics and muslins.

8 RICHARDSON, J. & T. & Co. Springfield, Lurgan, Ireland, Mann.—Irish cambric handkerchiefs, plain, hemstitched, pointed, and wretched.

9 MALCOLM, J. Lurgan, Ireland, Mann.—Linen cambric, clear lawn, and hemstitched handkerchiefs. Shirt frontings. Lawns. Handkerchiefs of fine hand-spun yarn.

10 DASHALL & Co. Little Chelsea, Mann.—Mats and matting. Oak yarn, junk, and fibre, from Cochín, Bombay, and Ceylon. Silk grass, jute, or pant hemp, from Calcutta. Manila hemp.

11 RICHARDSON & Co. Lisburn, Ireland, Mann.—Samples of Irish linen.

12 M'MURRAY, T. & Co. Dromore, County Down, Ireland, Mann.—Bleached and unbleached linen.

13 M'MILLAN, A. Armagh, Co. Antrim, Ireland, Mann.—Banks of handspun yarn, thirty-six hanks in the pound, for cambric manufacture.

13a COKER, BLAIR, & Co. Belfast, Ireland, Des. and Mann.—New damask table-cloths. Specimens of steam-power loom manufacture applied to damask table linen. Design for a table cloth. Linen damask vestings.

16 M'CAT, T. Lisnaskeer, Dromore, Ireland, Mann.—Linen from hand-spun and mill-spun yarn. Linen mosquito nettings, mill-spun yarn.

17 ROBERTS & DEERBERG.

18 BENNETT & ADAMS, Coleraine, Ireland, Mann.—Fine linen.

19 BAILEY, FRYSON, & Co. Belfast, Ireland, Mann.—Samples of Irish flax. Specimens of Irish linen. Slate linen. Linen and brown sheeting. Cross, britannias, estopillas, atlas, platillas, and drill.

20 HERRING, J. Cambray House, Waringstown, Banbridge, County Down, Ireland.—Cambrie loom; damask loom; machine for weaving damask, or other figured fabrics, on the Jacquard principle. Samples of handkerchiefs, embroidered, &c. Printed linen cambric dresses; and lawns, shirt frontings; satin damasks; napkins. Damask coronation cloth, &c.

21 RICHARDSON, SONS, & OWEN, Belfast, Ireland, Mann.—Double damask table-cloths, designed by W. J. Magee, Lisburn, Ireland. Double damask cloth. Samples of Irish linen.

22 BROWN & SONS, Waringstown, Banbridge, Ireland, Mann.—Double damask napkins and table cloths, various patterns.

23 CARSON, R. Randalstown, Mann.—Woad, bleached, and unbleached linen.

24 FURNESS, J. & R. Ballymoney, Ireland, Mann.—Fine linen.

25 GOWAN, J. Lisburn, Ireland, Mann.—Fine damask table-cloths, breakfast cloths, sideboard cloths, and dinner napkins.

26 LEADBETTER, J. & Co. Belfast, Ireland, Mann.—Linen drill. Fancy drill, plain checks and stripes, all linen, and mixed. Linen cross, platillas, and hollands.

27 KING & SON, Annavale, near Keady, Ireland, Mann.—Rough brown linen. Brown, drab, slate, and black hollands. Diapers. Lining, family, and fronting linens; and unions.

28 BENNETT & ADAMS.

29 CRAWFORD & LEWIS, 3 LAWRENCE LANE, Cheap-side, Mann, and BLOCHETT.—Linen sheeting, white and brown; damask table linen, &c.

30 BOPER, R. S. 4 Blossom St. Norton Folgate, Mann.—Patent lines, of various sizes, used for hanging window shades. Fancy skipping-ropes, &c.

31 SMITH, J. East Greenwich, Mann. Specimens of

ropes, lines, twines, &c., manufactured by machinery from Russia, Manila, and Italian hemp. Irish, Baltic, and Egyptian flax and tow.

32 MOORE, W. F. Crinkbourne, Douglas, Isle of Man, Mann.—Sail canvas made from long Irish flax, woven by power, without starch or dressing. Twine-canvas. Twine for sewing canvas for sails.

33 HUNDAERT, Sir J. & Co. Limehouse, Mann.—Tarred and untarred cordage. Power loom-woven sailcloths.

34 TULL, S. 153 Fenchurch St. and Globe Fields, Mile End Rd. Mann.—Twine, fishing lines, cords, ropes, casting nets, &c., made of different materials.

35 WALL, E. & T. Banbury, Mann.—Cords and twines; whipcords; sash and jack lines; clothes-lines; horse-hair and Manila horse-hair clothes-lines. Horses' halters. Bed sackings. Horse-hair cloth. Fancy doormats, &c.

37 GORROCK ROPEWORK Co. Greenock, Mann.—Sail-cloth; tarred cordage; Manila cordage.

38 EDWARDS, J. & Co.; EWERS, J. B. & Co.; GUNDRY, J. & Co.; HOUSSELL, J.; HOUSSELL, W. & Co.; RANDALL & COOMES; J. P. STEPHENS & Co.; TUCKER, T. & Co.; WESTMAN & Son, Committee, Bridport.—Specimens of the staple manufacture of the town. Hemp and flax in various stages of preparation. Pilchard drift net, used on English coast, coasting nets, &c. Life-boat, for sustaining a person in water, invented by T. Hilt, Bridport.

39 MALONE, PATRICK, Dublin.

40 ELLETT, J. 94 Thomas St. Dublin, Mann.—Coils of rope, manufactured of Irish-grown hemp, from Russian seed sown in Ireland.

42 ALLEN, R. Wexford.

43 HOLLOWAY, T. J. Salisbury.—Hemp and flax twines.

44 DIXON & LOWENAFF, Stockton-on-Tees, Mann.—Sail-cloth, made from Baltic long flax; hand-loom woven.

45 HARRIS & SONS, Cockermouth, Mann.—Linen threads dyed and bleached.

46 THE DUNDEE LOCAL COMMITTEE, Scotland, Prod.—Looms, or yarn bleached linens, manufactured by Smecton & Son, Dundee. Duck and sheeting, manufactured by Laing, Dundee. Dowies, sheeting, huckaback, ducks and drills, diapers, &c. manufactured by A. Lawson, King's Kettle. Common bleached canvas, and tailor's padding canvas, manufactured by J. Mori, Dundee. Hessian, or packing canvas, striped bedding, bed sacking, padding canvas, &c. manufactured by Cox, Dundee. Flour coal and corn sacking, jute sacking, and navy canvas, manufactured by A. Eason, Dundee. Jute carpeting, and matting made from coir and Manila fibre, manufactured by J. Neish, Dundee. Ossibergs, manufactured by Don Brothers & Co. Dundee. Brown sheeting, manufactured by W. & J. Don & Co. Forfar. Heavy floor-cloth, manufactured by T. Bell, Dundee. Jute stair-carpeting, jute bed-sacking, cotton, or coffee bagging, and hop pocketing, manufactured by A. J. Warden, Dundee. Strong bed-tick and twilled sheeting, manufactured by J. Brown, Dundee. Striped and checked fancy linens, manufactured by J. Leadbetter & Co. Dundee.

47 WILLIAMS & Co. Abingdon.

48 YEATHE, H. Abingdon, Mann, and Des.—Cocoa-nut and Manila matting; fancy cocoa-nut matting; superior jute carpeting, &c.

49 LINDRAY, D. Dromore, County Down, Ireland, Mann.—A loom for weaving breasts of shirts, designed and made by Elizabeth M'Crainin, Shirt fronts. Drill, &c.

49a LOCKHART & SONS, Kirkcaldy, Scotland, Mann.—Fine feather-bed tick, made entirely from flax. Bleached diaper bed-room towels. Double huckaback. Bags for holding flour, grain, potatoes, &c. manufactured entirely from tow.

50 WHEAT, R. Kirkcaldy, Scotland, Mann.—Piece of fine four-treadle bed-tick, made entirely of flax yarn. Taken from stock.

51 JAMESON & Co. Hull, Importer and Mann.—Hemp and flax from Russia, and jute from the East Indies, in the raw and undressed state as imported, and in several stages of manufacture. Yarn, canvas, &c. from the same.

52 HALL, J. & Co. Hull, Yorkshire, Mann.—Patent made cordage, from Baltic hemp, and patent made cordage from Manila hemp, tarred.

53 STIVA & COOPER, Hull, Mann.—Patent cording for the use of sailing and steam vessels, mines, and collieries, the whale fisheries, and deep-sea fisheries. Manufactured by steam and manual labour.

54 ROY, J. Crewkerne, Mann.—Sail-cloth, and toweling, called medical rubbers, made of flax grown in the neighbourhood.

55 POOLE, J. & C. South Petherton, Mann.—Canvas for ship and yacht sails. Seaming twine, made from English flax.

56 HAYWARD & SONS, West Chinook, and 93 Minories, London, Mann.—Canvas for ships' sails, known as Coker canvas. Twines, used for sewing sails.

57 CUNYTT & SONS, Fairfield Mills, near Manchester, Mann.—Royal Turkish bath-towels, with a plush or looped surface on both sides.

58 KIRWAN, W. Dunfermline, Scotland, Mann.—Damaak table-cloths made of mill-spun flax yarn. Table-cloths made of yarns produced by Marshall & Co. Leeds, from China grass.

59A WITNEY & SMITH, North Perrot, near Crewkerne, Somerset, Mann.—Twines, made of flax, hemp, and cotton, for crochet knitting, netting, carpet and silk weaving, &c.

59 DEWAR, D. & Co. Dunfermline, Scotland, Mann.—Carpet covering, with design taken from the floor of the new Coal Exchange, London. Silk and worsted table-cover, bed and window curtains, &c.

60 BIRKELL, D. Dunfermline, Scotland, Mann.—Table-cloth of fine Flemish flax yarn. Table-cover, made with blue silk on fine flax yarn.

61 HUFF & SON, Dunfermline, Scotland, Mann.—Double-damaak linen table-cloth, manufactured for the service of the Queen. Linen and silk vefted show-cloth, of the same design. Double-damaak linen table-cloth, and table-napkins.

62 BEVERIDGE, E. Dunfermline, Scotland (Agent in London, W. Manvell, 12 Bow Churchyard), Mann.—Table-cloths, napkins, and doyleys. Table cloths and dinner napkins, silk and linen. Nursery and towelling diapers. Stair carpeting and crumb cloth. Table covers, three-coloured brocade, coloured tapestry, &c. mixed fabrics.

63 SADLER, S. 24 Ironmonger Lane, Imp.—Bleached linen, Irish manufacture, a light ornamented fabric. Heavy bleached Irish linens. Medium and sheetings for the home and foreign trade.

64 ROZES & WROX, 134 Cheapside, Prod.—Scotch embroidered handkerchief, on French lawn.

67 WILKS, J. 80 Watling St.—Cambrie handkerchiefs; surplice cambrie; export linen; bleached imperials; sheeting; Lancashire and Welsh flannels; printed hannels; electric and striped towelling; Wellington and Baden huckaback; Russia sheeting.

68 WILKS, J. 79 and 80 Watling St. Imp.—Cambrie handkerchiefs, cambrie, linens, sheeting, diaper, huckaback, towelling, and flannels.

70 DEWAR, SON, & SONS, King's Arms Buildings, Wood St. Prop.—Table covers, of elaborate design, the first mixed fabric of the kind made in Spitalfields. Designed and executed by Webb and Son. The number of cords used in the production are 3,000, the number of cards in the Jacquard

machine 40,000. Chints printed woollen table covers, and embossed. Designed by J. Balbour. Linen table cloth; communion cloth, and napkin, to match; linen and silk and linen table-cloths.

70 FRASER, D. Arbroath, Scotland, Mann.—Navy bleached and boiled canvas. Improved brown canvas flax warps, &c.

71 DUNCAN, D. & Co. Arbroath, Scotland, Mann.—Hemp sail-cloth.

72 FINLAYSON, BOUVIER, & Co. Glasgow; Manufactory at Johnstone.—Patent linen thread, common satin finish, in best and second quality, for tailoring purposes.

73 RUSBY, SONS, & Co. Arbroath, Scotland, Mann.—Navy sail-cloth made for British Government. Improved sail-cloth, for the British merchant navy.

73 GORDON, G. & A. Arbroath, Scotland, Mann.—Specimens of line and tow-yarn manufactured in Arbroath. Sail-twine.

74 TITLEY, TATMAN, & WALKER, Leeds, Mann.—Patent linen sewing threads. Superior patent satin finish, or polished sewing threads. Shoe threads, closing and stitching flaxes or lines.

74 SALMOND, W. Arbroath, Scotland, Mann.—Bleached unstarched sail-cloth; mill-washed long flax sail-cloth. Tarpaullin, unstarched. Single best tow vitre. Best brown tow double canvas.

75 FROLIER, C. Leeds, Mann.—Double damaak table-cloths; brown and bleached napkins; bordered linen sheets. Communion cloth, design the Last Supper, and other appropriate emblems.

75 GARLAND, W. Arbroath, Scotland, Mann.—Hop-pocking. Floor-cloth. Nine-foot flax canvas.

76 RAMSAY & SMART, Arbroath, Scotland, Mann.—Sacking. Brown canvas; brown single canvas.

77 HOLDSWORTH & Co. Leeds, Mann.—Linen thread, patent soft satin-finish, and old finish; linen shoe thread.

77 ANDERSON, C. Arbroath, Scotland, Mann.—Imperial and Russia ducks. Tickenburghs. Russia sheeting, canvas, hemp tarpaulins, &c.

78 WILFORD & SONS, Brompton, near Northallerton, Mann.—Bleached sheeting, made from China grass. White linen drills for military trousers. New drills—1. "Commodore;" for naval. 2. "Wellington."

79 WALTON & Co. Knaresborough, Mann.—Sheeting woven in hand-loom. Knaresborough linen. Heavy water-twist cotton sheeting. Blue linen check. Huckaback. All made by hand-loom.

79A TEE & SON, Barnsley, Des. and Mann.—Linen drills. Linen and silk and linen vestings. Fancy vestings, mixed. Plain and fancy fabric for dresses. Toilet-cover. Linen saddle rug. Printed linen and cotton yarns.

80 NEWMAN, R. for CARTER BR. CARTER, J. JACKSON & MATTHEWMAN, FLETCHER, H. T. HATTERSLEY, PARKINSON, & Co. and HAXWORTH & CARSLAY, Barnsley, Mann.—Dowlases and pillow linen, and household cloths. Sheetings, ducks, hollands, towellings, horse bandages, huckabacks, diapers, drabbets, damaaks, marquee ticks, &c.

84 NICOL, A. & Co. Arbroath, Scotland, Mann.—Toweling. Sheetting. Osnaburg. Mixed-hemp sacking. Flour sacks. Rye-grass. Coffee-bags. Twine, &c.

85 KESHALL, G. Knaresborough, Mann.—Linen-duck sheeting. Linen shirt without seam.

85 CURR & Co. Arbroath, Scotland, Mann.—Brown flax sheeting; brown tow sheeting. Loom dowlas; loom sheeting. Tickenburghs. Ducks.

86 HIBBERT, T. Knaresborough, Mann.—Diaper table-cloths, table-napkins, and pocket-handkerchiefs, all made by hand-loom.

88 LEMING, J. Knaresborough, Mann.—Shirtings and

CLASS 16. *Leather, Saddlery and Harness, Skins, Fur, and Hair.*

ticking. Linen chemise, woven without seam. All made by hand-loom.

94 SCHWARZ, L. Leeds, Prop. Samples of less lineary, made from French, Dutch, and Russian flax.

97 MORRISON & HURN, 25 Norton Folgate, Manu.—Rope, line, and twine. Model marquee, flags, rick-cloth, horse clothing. Netting. New portable fire-escape. Bed-sacking, cooco-fibre matting. Sacks. Waterproof cloth, &c. All patented.

100 GILBERT, T. W. Emmett St. Poplar, Inv.—Sails showing a graduated variation in the width of the seams, intended to give greater strength and durability to the sails, with less canvas.

101 BELL, T. & Co. Bellview, Lurgan, Belfast, Ireland.—Samples of cambric bordered handkerchiefs, clear lawn, and plain cambric.

102 BREWSTER, J. Kirkcaldy, Scotland, Manu.—Pieces of sail-cloth, made entirely of Baltic flax yarn, stronger than canvas made in the usual way.

103 DAY, J. Market St. Oxford, Manu.—Church bell-ropes.

104 EDGEMOND, T. F. 45 Botolph Lane.—Composition cloth, made from the best long flax, perfectly waterproof; for railway luggage, truck covers, &c.

105 HARFORD, G. Gateshead, Inv.—Improved sail-cloth, made by Milvain and Harford.

106 HOOCHROX, SARAH, Ashford, Manu.—Superfine double damask table-cloths and napkins.

107 HAWKE, E. H. Scortt, near Truro, Manu.—Ropes of Polish or Russian, China, and Manilla hemp. Patent double and single woven tube fuses for conveying fire under water, &c.

108 LEE, J. D. 79 Leadenhall St. Manu.—Patent "hydruretted duck;" hydruretted canvas; black hydruretted canvas; miscellaneous specimens, &c.

109 M'LEODAN, J. & Co. 3 Barge Yard, Bucklersbury, Manu.—Bleached sail canvas, made from Irish flax, by hand-loom.

110 LOCAL COMMITTEE, FALMOUTH, Falmouth.—Models of nets: Pilchard stop-seine. Pilchard tuck-seine. Pilchard drift-net. Mackeral drift-net. Boulter or spiller. Trammel. Pilchard seine-boat.

111 OYLER, S. 2 York St. Camden Tn. Manu.—Lint made of linen of different degrees of fineness.

112 RYCKOFF, E. T. Barnsley.—Diaper, damask table and other linen goods.

113 ULLATBORNE & LOWSTAFF, 12 Gate St. Lincoln's Inn Fields, Manu.—Shoemakers' and saddlers' threads, &c.

CLASS 16. *Leather, Saddlery and Harness, Skins, Fur, and Hair.*

1 BEVINGTON & SOHN, Neckinger Mill, Bermondsey, Manu.—Skins and leather, with varieties in tanning and leather-dressing.

2 SQUIRE, T. Litchford, Warrington, Manu.—Sole leather, made from hides, the produce of Buenos Ayres, tanned with Belgian oak bark and valonia, from Smyrna. Sole leather, made from English hides, tanned with equal proportions of divi divi, gambier, and valonia.

3 GEORGE, J. 81 Dean St. SOHO, Manu.—Gilt and painted, embossed and gilt, and other ornamental leathers.

3A LUFFTON, J. Chapel Lane, Bradford, Manu.—Cemented leather strapping, used as driving-belts in weaving and spinning.

4 BOSS, N. Oxford St. Swansea, Manu.—Improved calf-skins for the upper-leather of boots.

5 NICHOLLA, H. 5 Stafford St. Bond St. and 4 and 5 Birchlin Lane, City, Inv. and Manu.—Waterproof tanned leather, for sporting articles. Black buckskin trousers, &c.

10 DEED, J. 8 Little Newport St. Leicester Sq. Manu.—Specimens of leather. Dyed sheep and lamb skin wool rugs or mats.

11 WILSON, WALKER, & Co. Leeds, Manu.—Coloured sheep-leather skivers; coloured roans; roller leather, for silk and cotton spinning; chamois, or wash leather. Coloured calf and morocco.

12 WILSON, D. Balleymoney, Ireland, Manu.—Hides of strap leather. Kip skins. Calf skins.

13 WIMBOR & SON, Gt. Russell St. Bermondsey, Manu.—Rugs. Skins for cavalry, ladies' boots, &c. French dog and lamb skins. Carriage and foot muffs.

15 BREEM, E. Hull, Manu.—Specimens of boot and shoe leathers, of French and English calf-skin. Horse-hide from Spanish America, tanned and curried in England.

16 HOLMAN, T. Anlaby Road, Hull, Importer and Manu.—Specimens of tanned hide of the walrus, or sea-horse. Polishing wheels covered with the same. Heads of male and female walrus or sea-horse, taken by Capt. Gravil at the Davis' Straits fisheries.

17 BROOKIN, W. 38 Long Lane, Southwark, Manu.—Wellington boot fronts and graft, waterproof.

18 EVANS & SON, 10 Silver St. Wood St.—Parchment and chamois leather. Direction labels.

19 GLOVER, J. & T. 7 Wood St. Chespeide, Inv. and Manu.—Improved oil leather, and gloves manu. of it, and from Irish kid skins. Improved button, &c.

20 HENSWORTH & LINDLEY, 30 West Smithfield, Manu.—Boot fronts of English and foreign calf skins. Cordovan, from South American horse hides.

22 TOWLER, W. Canal Bridge, Old Kent Rd. Inv. and Manu.—Superior parchment, nearly resembling vellum.

23 BYAM, KILRA, Bazaar, Soho Sq.—Compound stationery case. Travelling, writing, working, dressing, and refreshment case. Lady's carriage companion, &c.

24 LEVIE, J. & J. 13 Siss Lane, Manu.—Writing, drawing, and binding vellum. Drum and tambourine heads, and parchment.

25 WOOD, W. & S. 32 Bow St. Manu.—Calf skin in the various stages of manufacture.

26 CLOVER, F. 28 Ann St. Birmingham, Inv. and Manu.—Improved elastic coat; registered trousers; elastic riding-belt; and brace.

27 LEBRY, J. T. 12 Market St. Manchester, Inv. and Manu.—Portmanteau for travelling, with improved frame.

28 TIMSON, C. 11 Smithson St. York St. Hulme, near Manchester, Des. and Manu.—Improved portmanteau.

29 THOMAS, BROTHERS, 198 and 199 Chespeide, Pat. and Manu.—Wove stays, without seam, &c. Self-registering yard stick, &c.

30 JONES, W. D. High St. Shrewsbury, Des. and Manu.—Improved patent shot-belt, and other articles, in leather.

31 SMITH & SON, 136 Strand.—Despatch boxes. Travelling, dressing, writing, blotting, and card cases, &c.

32 GEORGE, C. 102 Dean St. Soho, Imp. and Manu.—Morocco and Russia leather.

33 LAST, J. 38 Haymarket, Inv. and Manu.—Portmanteau, with five compartments. Knapsack for pedestrians, &c.

34 BARRITT & Co. 173 Fleet St.—Specimens of ecclesiastical binding, in carved wood and polished oak, with electrotype mountings, solid metal covers, &c.

35 ALLAN, W. 136 Drummond St. Kuston Sq. Inv.—Pair of bellows, with wooden sides.

36 ALLEN, J. M. 37 Wardour St. Soho, Manu.—Homoeopathic medicine cases. Tooth-powder box, to prevent the escape of the powder.

CLAS 16. *Leather, Saddlery and Harness, Skins, Fur, and Hair.*

- 37 MOTTE, A. 16 Southwark Bridge Rd. Inv. and Mann.—Patent waterproof leather portmanteau, in one piece.
- 38 LAST, S. 256 Oxford St. Inv. and Mann.—Railway portmanteau, divided into four compartments.
- 40 JAMES, J. 103 Oxford St. Mann.—Registered railway trunk Patent wardrobe portfolio.
- 40A JAMES, H. 14 Rathbone Pl. Soho Sq. Inv. and Mann.—Newly invented fire, water, and air-proof trunk; leather air-tight metallic trunk for hot climates; fire-proof plate-chest, &c.
- 41 JUDGE, C. 6 Lion Pl. East St. Walworth, Des. and Mann.—Leather buttons of one piece.
- 43 WOODMAN, W. 13 Three Colt Ct. Worship St. Finsbury, Mann.—Leather bagckgamson table.
- 47 READ, J. B. Penryn, Cornwall, Mann.—A tanned shaved hide, for best bridle reins; a rough tanned cow-hide for saddle-skirts and stirrup-leathers. Specimen of the leather used for gearing the buckets of pumping engines.
- 48 CLARE, C. & J. Street, near Glastonbury, Inv. Des. and Mann.—Model of a rural factory. Uru-rugs, muffs, &c., made from English lamb-skin. Socks for shoes, goloashes, shoes, and gaiters; hearth and other rugs of sheep, lamb, and Angola skins.
- 49 ROOD, G. & Co. Boltons-borough, near Glastonbury, Somerset, Des. and Mann.—Hearth, carriage, and toilet rugs, of sheep-skin and Angola goat. Sheep and Angola goat-skins.
- 50 COOPER, M. 25 Swingate, York, Des. Inv. and Mann.—Improved side-saddle, with plich of Berlin wool work, by Janowski, York. Military saddle: improved light hunting and racing saddle; Somerset saddle.
- 51 SOUTHEY & Co. 16 Little Queen St. Lincoln's Inn Fields, Mann.—Seal, calf, and hog skins and hides. Hippopotamus hides, &c.
- 52 MAXWELL & Co. 161 Piccadilly, Mann.—Socket spurs, &c. in the several stages of manufacture
- 53 LUTWICHE & GEORGE, Skinner St. Snow Hill, Mann.—Goat skins, mann. in England. English sheep skins.
- 54 MARLOW, J. Walsall, Mann.—Steel carriage and riding bits. Spenser's patent metallic saddles. Harness, with registered mountings. Stair balustrade in malleable cast iron, possessing strength of wrought iron.
- 55 COX, S. Walsall, Inv. and Mann.—Newly invented Albert stirrup and stirrup leather, and improved draw-mouth clipper-bit.
- 56 BANTON, E. Walsall, Inv.—Patent enamelled waterproof horse harness. Patent Hackney riding-bit, and bridle. Hunting breast-plate, and bits.
- 57 HAWKINS, J. Stafford St. Walsall, Mann. and Inv.—Registered carriage and hackney bits. Registered Chiffney bit. Improved steel stirrup irons, &c.
- 58 BRACE, H. Walsall, Mann.—Bits, stirrups, and spurs, for the South American markets.
- 59 FEE, J. E. Mount Mellick; Queen's Co. Ireland, Mann.—Snaffles. Snake's-head bit. Plain riding bit. Felham stirrup irons.
- 60 HUDSON, S. Dublin, Inv. Des. and Mann.—Improved side-saddle, with safety stirrup. Hunting saddle with elastic seat. Light form saddle with steel-plated tree.
- 61 LENNAN, W. 29 Dawson St. Dublin, Mann.—Full-chased, silver and brass-mounted harness. Quilted lady's side-saddle. Hunting and steeple-chase saddles. Double and single saddles for children.
- 63 LAMBERT & SON, Bermondsey New Rd. Mann.—Wellington boot-fronts. Grain and waxed calf hides. Cordovan hides, &c.
- 64 ASHFORD, W. & G. Birmingham, and Houndsditch, London, Des. and Mann.—Specimens of whip manufacture, Whip-sockets: registered. New design for a lady's bridle and bit, &c.
- 64A TIEDALE, E. 34 St. Broad Golden Sq. Mann.—Officer's Hussar saddle-tree. Side saddle-tree, with a leaping-head.
- 65 BROWN & SON, 7 Moat Row, Birmingham, Mann.—Specimen of cut back-head saddle-tree, whalebone springs, galvanized plates, spring bars, and copper rivets, to prevent corroding, &c.
- 67 MIDDLEMORE, W. 31 Holloway Head, Birmingham, Des. and Mann.—Gig harness. Saddle, with elastic seat. Embroidered lady's saddle. A new mouthing-rein for unbroken horses. Shot-pouches, &c.
- 68 COLEMAN, T. G. Lilley Hoo Farm, Olley, near Hitchin, Herts, Inv. and Pat.—Expanding saddle; self-acting elastic spring roller; harness, with spring trace, &c.; safety rein.
- 69 GARRETT, W. Tarporley, Cheshire, Inv. and Des.—A saddle, with seat, skirt, and flap in one piece, with patent spring bars to release the rider if thrown from his horse.
- 70 VICK, R. Gloucester, Inv.—Improved registered harness hames.
- 71 MUSELWHITE, T. Devises, Inv.—Patent elastic collar for horses, formed of iron, cork, horse-hair, &c.
- 74 RAMSBY, W. Hull, Inv. and Mann.—Registered elastic-seated saddle.
- 75 CLARK, W. Mill Hill, Leeds, Des. and Mann.—A quilted summer-set saddle.
- 76 THOMAS C. Stratford-on-Avon, Mann.—Registered flexible saddle, with metal castles, yielding to the slightest pressure, constructed to cause a circulation of air between the seat of the saddle and the horse's back.
- 77 CANTON, A. B. 7 Baker St. Portman Sq. Des. and Mann.—Hussar saddle, and hunting saddle.
- 78 BLACKWELL, B. & R. 256 Oxford St. Inv. and Mann.—Cab or phaeton harness, of black patent leather. Improved fetlock leg, and speedy-cut boots, &c.
- 78A PEEK, A. R. 151 Strand, Des. and Mann.—Improved Cleveland and East India hunting saddles; lady's saddle. The Victoria bridle and stirrup. Improved shaft and trace tugs.
- 79 FARMORE, W. 27 Little Windmill St. Golden Sq. Des. and Mann.—Single-horse harness, with improved hames and furniture.
- 80 ATKINSON & ELDRIN, 18 Regent St. Mann. and Prop.—Whips, walking sticks, riding canes. Bottles and flasks. Whistles, &c.
- 81 MARTIN, W. H. 64 Burlington Arcade, Inv. and Mann.—Whips and canes, &c. Walking-stick, bottle with wine-glass. Inv. by F. Whishaw, Esq.
- 82 SHIPLEY, J. G. 181 Regent St.—Large quilted saddle improved stirrup leather. Brov. reg.
- 83 SKINNER, A. Camberwell Green, Inv. and Mann.—Air-filled horse-collar, to prevent galled shoulders and jibbing.
- 84 HICKS, H. 52 Davies St. Berkeley Sq. Inv. and Mann.—Lady's saddle, with elastic support for the left foot.
- 85 GREEN, R. 8 Edward St. Portman Sq. Mann.—Ladies' saddle, hunting saddles, bridles, harness, &c.
- 86 WHITE, J. C. 29 Liverpool St. City, and 185 Regent St. Inv. and Mann.—Silver-mounted harness, with improved registered tugs. Light pony and tandem harness, &c.
- 89 LANGDON, W. jun. 9 Duke St. Manchester Sq. Des. and Mann.—Light phaeton harness.
- 90 BUTTIE, R. 4 Park Lane, Mann.—Lady's saddle, and hunting or park saddle, with improved elastic seat. Harness pad, &c.
- 91 PENNY, J. 37 Union St. Middlesex Hospital, Mann.—State pony bridle for the Prince of Wales, des. by W. H. Rogers, made by W. Langdon, &c.
- 92 SWANSE & ADNEY, 185 Piccadilly, Mann.—Riding

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- whip, mounted with gold, set with brilliants and rubies. Whips. CANEA. Horse and other brushes.
- 88 BELL, C. 34 Wigmora St. Mann.—Improved lady's saddles. A dress single harness, &c.
- 89 BRWATER, W. M. 99 Piccadilly, Des. and Mann.—Water meter. Harness, with patent silvered glass front, &c.
- 90 MONTAGU, D. 34 Berwick St. Oxford St. Mann.—Phaeton harness. Single-horse harness, &c.
- 91 CURR, R. 18 Cockspur St. Des. and Mann.—Embroidered velvet saddle, riding bridle, and harness, with gilt ornaments. Hunting and other saddles and bridles.
- 92 WILSON & SON, 18 and 19 Vere St. Oxford St. Mann.—New safety side-saddle, in case of a fall.
- 93 ROTLAND, W. 199 Sloane St. Chelsea, Mann.—Lady's saddle, with moveable leaping head. Gentleman's spring saddle.
- 100 PRATT, J. Old Kent Rd. Mann.—Harness. Painted canvas for harness fronts, &c.
- 101 CANAVAN, A. 7 Wyndham St. Bryanstone Sq. Prop.—Two saddles, made by Gibson and Co. Coventry Street; one with Canavan's registered safety panel; the other with Read's patent girth regulator. Five brushes, made of elastic buff leather, by Kent, of Marlborough Street.
- 102 STOKES, J. 25 Gt. Winchester St. Inv. and Mann.—Lady's saddle, for riding on either side. Pack-saddle, &c.
- 104 MACKIE & SON, Maidenhead, Berks, and Beaconsfield, Bucks, Inv. and Mann.—Horse collar, for heavy draught, especially up hills with bad or no roads. Improved pony harness.
- 105 HUGHES, R. 52 Clifton St. Finsbury Sq. Mann.—Heraldic mountings for harness.
- 107 EARDNHAW, H. 91 Wimpole St. Mann.—Blue Morocco bridle, hunting breastplate, and other harness.
- 109 CASE, C. 45 Wood St. Cheapside, Mann.—Riding whips, of black and white twisted whalebone. Walking sticks, and gig whips, &c.
- 112 BOOTH, J. P. South Quay, or Union Quay, Cork, Ireland, Inv. and Mann.—Victorine boa and muff, made of the Irish turkey feather side. Victorine, made of the Irish turkey wing feathers.
- 114 HOOK, J. 66 New Bond St. Mann.—Ladies' riding boots; dress boots and shoes; costume boots and shoes; slippers, clogs, &c.
- 115 BERRALL, W. & W. jun. 60 and 61 Marylebone Lane. Mann.—Boots. Boot-fronts, from skins imported in a rough state. Soles, tanned with oak bark.
- 116 PARKER & SON, Wood St. Northampton, Mann.—Boots and shoes.
- 117 LLOYD, J. P. Northampton, Mann.—Boots and shoes.
- 118 BEARN & JEFFS, Parade, Northampton, Mann.—Boots and shoes.
- 119 MOORE, G. Northampton, Mann.—Boots and shoes.
- 120 LUCE, W. & J. Davenport, Northamptonshire, Mann.—Boots and shoes.
- 121 GROOM, J. & R. Northampton, Mann.—Policemen's boots and shoes; waterproof boots; regulation army Blucher boots.
- 122 GRAMAM, J. 109 Naylor St. Oldham Rd. Manchester.—Pair of clogs.
- 123 BARRELL, C. Taunton, St. James, Inv.—Improved rotatory boot-heel. A spring sole, to assist in walking, made of steel, covered with leather or gutta percha.
- 124 HUTCHINGS, J. 20 Green St. Bath, Somerset, Inv. and Mann.—Elastic boots and shoes, with noiseless heels, &c.
- 125 PAUL, LOMAS, & EVES, 155 Moor St. Birmingham. Inv. and Mann.—Boot-trees and stretchers. Improved clogs.
- 127 RAMSBOTTOM, E. Merton, Surrey, Inv.—Improved clog.
- 129 TARKER, J. Sheffield, Inv. and Mann.—Pair of shoes with gutta percha bottoms; made principally by machinery; made in one-third of the time, and much cheaper than the ordinary boots and shoes.
- 130 THOMPSON, S. Blackburn, Mann.—Clogs, as worn by the operatives of Lancashire and Yorkshire. The same, with steel-springs in the soles.
- 132 WALLACE, T. Brandling Pl. Newcastle-upon-Tyne, Inv.—Improved boots for children having weak ankles and legs.
- 134 SCARBOROUGH, J. V. Glasgow, Mann.—Set of boot-trees, with rule joints in leg. Men's water-tight boot clogs. Men's spring and other clogs.
- 134A PERRITT & SON, Birmingham, Des. and Mann.—Waterproof goloshes, compounded of caoutchouc, leather, and gutta percha.
- 135 SANDERS, C. Reading, Mann.—Red morocco leg patent goloshed vandyked button boot.
- 136 MATHEW, J. Rochdale, Lancashire, Maker.—Wellington boots, with steel spring shanks, which improve the form, and retain the shape.
- 141 CREAK, J. Wisbech, Inv. and Mann.—Improved waterproof button, buckle, and Blucher boots.
- 143 COWLING, J. Richmond, Yorkshire, Inv. and Mann.—Gentlemen's safe and easy shooting boots, on a new principle.
- 145 DOE, W. Colchester, Mann.—Improved strong high shoes.
- 146 NEWMAN, G. 101 Gloster Lane, Brighton, Mann.—Wellington boot, exhibited as a model for construction and workmanship.
- 147 MCGIBSON, J. 30 North John St. Liverpool, Mann.—Dress military boots, with revolving heel, &c.
- 148 BARRACLOUGH, S. Tamworth, Inv. and Mann.—Dress boots impervious to water.
- 149 ALLEN & SON, Treffgarne Rocks, Pembroke, Wales, Mann.—Gentleman's waterproof shooting boot.
- 150 HEFFORD & EACES, Derby, Mann.—Boots and shoes, ornamental leather, and satin dress Wellington. Patent top-boots, and patent shoe without a seam.
- 151 HUDSON, A. Cranbrook, Mann.—Pair of top boots, the legs and tops seamless.
- 153 WIGNER, R. Richmond, Yorkshire, Mann.—Patent boots and shoes, free from seam or roughness under the sole of the foot.
- 153 VINCENT, R. Glastonbury, Mann.—Suit of leather clothes, to imitate superfine black cloth.
- 154 CLARK, B. 57 Lowther St. Whitehaven Mann.—Ladies' Cumberland boot clogs.
- 155 BURGESS, G. South Bridge, Edinburgh, Des. and Mann.—Improved Balmoral shooting boots. Highland brogues, worn with the full Highland costume.
- 156 BAXTER, R. Thirsk, Yorkshire, Inv. and Mann.—Pair of walking boots, with clogs and springs. Pair of skating boots, with springs, &c.
- 157 PEPLow, W. Browning St. Stafford, Mann.—Ladies' elastic button gaiter, side lace and cashmere boots, &c. Goloshed boots. Velvet carriage tie boots. Slippers. Silk elastic cloth and button shoes; design for registration.
- 162 MEDWIN & Co. 86 Regent St. Mann.—Registered elastic boots, top-boots for racing, &c.
- 163 HALL, J. S. 306 Regent St. Mann.—Vulcanized India-rubber webbing for boots and shoes. Elastic shoe soles, cut by machinery. Elastic garters. A series of imitations of ancient boots and shoes, to illustrate the history of costume in England.
- 164 HALL & Co. Wellington St. Strand, Pat. and Mann.—Boots and shoes, leather-cloth, or pannus-corium.
- 165 LEWIS, R. G. 22 Portman Pl. Edgware Rd. Inv.

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and Manu.—Mechanical lasts, made from models taken from nature.

168 HARTLEY, J. 11 King St. St. James's Sq. Manu.—Top-boots of English leather; boot polish.

169 GODFREY & HANCOCK, 3 Conduit St. Regent St. Inv. and Manu.—New ladies' boots, shoes, goloshes, &c.

169 CANT, G. W. 69 High Holborn, Manu.—Patent boot-tree for bootmaker's use.

171 DESMOND, M. Manu.—Pair of patent-leather gentleman's boots.

173 GUNDEY, W. 1 Sobo Sq.—Ladies' and children's boots and shoes, &c. Boots made of elastic silk. Cork-soled boots, with Dowie's patent elastic waistpieces.

177 GUPPY, J. W. 2 Prince's Ct. Dorset Pl. Pall Mall East. Manu.—Ladies' cloth button boots.

178 WINTER, C. Norwich, Mann.—Ladies' elegant boots and shoes.

179 GILBERT & Co. Old Bond St.—Jockey, hunting, Holderness, shooting, and dress boots. Ladies' riding boots.

180 DOWIE, J. 455 Strand, Inv. Pat. and Manu.—Boots and shoes. Military boots with India-rubber waists. Model of a machine for boot and shoemakers.

181 TAYLOR & BOWLEY, 53 Charing Cross, and 25 Spring Gardens, Manu.—Boots and shoes, with patent elastic waists, &c.

182A DOBSON, J. 79 Chiswell St. Manu.—Ladies' and gentlemen's boots, shoes, and slippers.

183 HALL, R. 97A Quadrant, Regent St. Inv. and Manu.—Boots and shoes of elastic enamelled cloth, for tender feet. India-rubber goloshes and fishing-boots.

183 GATZ, T. F. 5 Upper Eaton St. Pimlico, Des. and Manu.—Improved wigs.

184 HONGES, T. 316 Oxford St. Manu.—Self-adjusting shoe composition for waterproofing, &c.

185 THOMAS, W. & BROTHERS, 128 & 229 Cheapside, Manu.—Boots and shoes made without stitches, pegs, nails, or rivets, with India-rubber sides, &c. Boots with gutta percha soles, &c. Stays and corsets. Safety carpet and leather bags.

186 PATTISON, E. 74 Oxford St.—Ladies' boots and shoes.

186 BARKER, W. G. 18 Old Cavendish St. Inv. and Manu.—Shoes, closed by an invisible elastic fastening.

189 BIRD, W. 86 Oxford St. Inv. and Manu.—Ladies' elastic boots. Registered boots, without seam in the front.

190 WILDMITH, M. 1 Sherrard St. Golden Sq. Inv. and Manu.—Flexible Wellington boots, with springs at the sides.

191 CLARKE, E. W. 12 Southampton Row, Bloomsbury, Manu. and Inv.—Boots and shoes. Casts and lasts for deformed feet, &c.

192 HICKSON & SONS, 20 West Smithfield, Manu. or Des.—Boots and shoes of various sorts, with samples of the materials employed in their manufacture.

194 HUBERT, C. 292 Regent St. Manu.—Boots and shoes. A boot and a shoe made from a single piece of leather.

195 HEATH, S. H. 38 Poultry, and 17 St. Martin's-le-Grand, Des.—Boots and shoes of soft leather, &c.

196 CROW, T. 3 Maidenhead Ct. Cripplegate, Des. and Manu.—A patent leather boot, with shell heel, &c. Full-dress boots.

197 PEAL, N. 11 Duke St. Grosvenor Sq. Manu.—Hunting and fishing boots, of waterproof leather.

198 CREMER & Co. Old Kent Rd. Manu. and Inv.—Boots on a new principle, in a complete state, and in course of manufacture.

199 ROBOTHAM, S. 28 Newton St. Birmingham, Manu.—Clogs, made of gutta percha, leather, and wood, with patent fastening.

200 BROTCHE, R. 3 Oxendon St. Haymarket, Inv.—Boots and shoes with vulcanized soles.

201 NORMAN, S. W. 4 Oakley St. Westminster Rd. Inv. and Manu.—Ladies' cork and leather boots and shoes.

202 HOLT, G. 48 St. James's St. Manu.—Napoleon and other boots made of waterproof leather. Specimens of the leather, and cleaning composition.

203 SCHALLER, J. 19 Charles St. Middlesex Hospital, Inv. and Manu.—Waterproof boots, shoes, and overshoes, clogs, elastic gaiters, &c.

204 RIDLEY, J. St. Paul's Chyd.—Ladies' boots and shoes.

205 WILKIN, S. B. 86 Albany Rd. Camberwell, Manu.—Skating-boots on a new principle.

206 WALKER, E. 19 Whitecross Pl. Wilson St. Finsbury, Manu.—Ladies' elastic boots.

207 WALKER, W. 7 Buckingham Pl. Fitzroy Sq. Manu. and Des.—Pair of shoes.

209 SALTER, G. 46 Windsor St. Islington, Inv. and Manu.—New invented cork boots, waterproof and ventilating.

210 POLLETT, T. Earl's Ct. Kensington, Inv. and Manu.—Boots, with revolving leather heels.

211 THOMAS & SON, 36 St. James's St. Manu.—Household cavalry jack-boot; other boots. Scotch brogue. Regulation steel and gilt spurs. Model pump.

212 GORDON, E. 6A Prince's St. Leicester Sq. Inv. and Manu.—Screw clump-sole boots, with pegged waist.

213 MITCHELL, F. 8 Cartwright St. Royal Mint, Manu.—Ladies' cork sole boots, made of royal purple silk velvet.

215 CURRIE, J. 3 Pantion St. Haymarket, Inv. and Manu.—Improved waterproof boots.

216 FAULKNER, O. 30 Wigmore St. Cavendish Sq. Inv. and Manu.—Waterproof fishing or shooting boots.

219 BRIDGES, C. H. 57 Charlotte St. Portland Pl. Inv. and Manu.—Registered rotatory heel for boots and shoes.

220 BECKETT, G. 41 Fenchurch St. Manu.—Various boots.

222 LANGDALE, H. 57 Mount St. Grosvenor Sq. Manu.—Children's boots and shoes, the needlework by Ann and Helen Langdale, &c.

225 ROBERT, A. 123 Regent St. Manu.—Boots.

227 GRUNDY, T. 8 St. Martin's Pl. Charing Cross.—Boots made of leather, soft and pliable, having a fine polish, and requiring no blacking.

229 SCOTT, S. T. Union St. Southwark.—Reg. lasts, with sliding and moveable toes.

230 GARNER, D. 41 Finsbury Market, Manu. and Des.—Portable boot-trees for five kinds of boots and shoes, containing blacking brushes, boot-lasts, &c.

236 BOWLER, J. 2 Little Portland St. Manu.—Lasts, trees, and stretchers, for boots.

237 LANAGAN, F. 13 Brownlow St. Holborn, Inv.—Shoe for the cure and prevention of bunions. Instrument for measuring the foot.

242 PARKER, J. 35 Dame St. Dublin, Manu.—Boots and shoes; all made of Irish materials.

243 WEBB, W. Worcester, Manu.—Coloured hair-cloth and cloth composed of hair and silk. Horse-hair carpet, woven like Brussels carpet.

244 BURGESS, R. 15 and 16 Opera Arcade, Charles St. St. James's, Inv. and Manu.—Improved wig. New hair-brushes. Bandoline.

245 BROWNE, F. 47 Fenchurch St. Manu. and Des.—Head-dresses of ornamental hair.

246 BOUCHET, C. 74A New Bond St. Manu.—Specimens of the new improved crochet-work in wig-making, on skin and on net.

247 BECK, R. 79 Cheapside, Manu.—Specimens showing the improvements in wig-making during the last ten years.

248 ROSS, L. 254 Regent St. Inv. and Manu.—Wigs of various kinds.

CLASS 16. *Leather, Saddlery and Harness, Skins, Fur, and Hair.*

- 249 WITTEB, W. 205 Oxford St. Inv. —Transparent wigs, head-dresses, &c.
- 251, 252 CHARLES, H. R. 45 New Bond St. Inv. and Mann.—Wigs, head-dresses, &c.
- 252 GRAY, ELIZA MARIA, 5 Charles Sq. Hoxton, Des. and Mann.—Group of flowers, made of human hair.
- 253 ISIDORE & BRANDT, 217 Regent St. Inv. and Mann.—Wigs, perukes, and other works in hair.
- 255 WORN, R. 17 Dawson St. Dublin, Mann.—“Gosamer” transparent Temple spring wig.
- 256 MADDEN & BLACK, Capel St. Dublin, Mann.—Ladies' and gentlemen's perukes, bar wig, &c.
- 257 DOUGLAS, R. 34 North Audley St. Inv.—Specimen of joined hair, seven feet long. Circular hair-brushes.
- 259 CAHNE, D. A. 267 Regent St. Mann.—Perukes, &c.
- 260 MUNA, M. 4 Victoria Rd. Pimlico, Inv. and Mann.—Improved theatrical wigs and beads.
- 261 PIGOTT, J. Cork, Mann.—A lady's head-dress.
- 264 TRACK, W. V. Norfolk, Mann.—Specimens of false hair.
- 266 KEZLEY, J. T. Lingsfield, East Grinstead, Mann.—Crop hide of North Wales runt, weighing 82 lbs, used for boot and shoe soles, &c., prepared at Batnor's tan-yard, Lingsfield. The tanning occupied two years.
- 267 DUCK, EARL, Tortworth Park, Wotton-under-Edge, Gloucestershire.—Cart-harness, for agricultural and other purposes, with improved registered hames, by R. Vick, Gloucester.
- 270 OAKLEY, TOM, Maidstone, Mann.—Light lady's saddle, quilted all over, with fancy wool-work introduced.
- 271 SANDERS, F. W. Thame, Oxon, Mann.—A four-horse cart harness, for agricultural and general purposes.
- 272 BLOWERS, W. R. High St. Maldon, Essex, Mann.—Variety of harness for draught horses.
- 273 COWAN, L. Barrhead, New Paisley, Prod.—Set of cart harness.
- 275 COX, T. Buff Coat Lane, Norwich, Des. and Mann.—Pony harness, and fancy baskets, woven from flax grown in Norfolk.
- 277 CHARGE, R. Horse Market, Darlington, Durham, Mann.—Saddle, of light weight, and a good hunting saddle.
- 278 DAX, R. High St. Welshpool, North Wales, Inv.—Harness and riding bridles, with noseband horse-stopper to stop horses when running away.
- 279 POLLOCK, J. 151 Stockwell Street, Glasgow, Mann.—Complete set of Scotch horse harness, &c.
- 282 O'DOWD, MARY, 69 London St. Reading, Des. and Mann.—Blotting-book, ornamented with leather. Articles of ornament in gutta serena, leather, &c.
- 283 COHEN & GREATHEX, Walsall.—Tanned and curried leather for bridles, &c. Carried hog and seal-skins.
- 284 RANDALL & DICKS, 21 Greek St. Soho, Mann.—Skins for oil leather, in raw state and in various stages of manufacture.
- 285 POLLMAN, R. W. & J. 17 Greek St. Soho, Mann.—Specimens of oil leather in various stages of dressing.
- 286 OASTLER & PALMER, Grange Rd. Bermondsey, Mann.—Japanned enamelled hides. Calf skins and crop butts.
- 288 JACKSON, R. B. 9 Hampstead St. Fitzroy Sq. Inv.—New mode of restoring Morocco leather.
- 290 DIXON & WHITING, Bermondsey, Mann.—Hide split into three, the grain enamelled, and the two splits japanned. Buenos Ayres crop butts, &c.
- 291 CARE, W. 50 Holywell Lane, Shoreditch, Inv.—Skin of sprinkled calf. Improved method of colouring leather before being cut up.
- 293 BOOTCHIER, MORTIMER, & Co. Bermondsey, Prop.—Hides, leather, and tanning materials.
- 294 BOSMARD, J. 7 Church St. Russell St. Bermondsey Mann.—British calf skins, tanned and dressed Paris and Bordeaux fashion. Boot fronts, &c.
- 296 BRANSCOMER, S. Liverpool, Mann.—Tanned buffalo hides, imported from Cape of Good Hope in 1847, and tanned at Lynn, in Cheshire.
- 299 HEINTZE, L. 1 School Lane, Liverpool, Imp.—Black japanned calf-skins, tanned and prepared by Heintze and Freudenberg, Weinheim, near Mannheim, on the Rhine.
- 300 BROWN, A. Milsom St. Bath, Inv.—Peruka, manufactured without stitching.
- 301 NICHOLAY & Co. Regent St. a large collection of furs from all parts of the world. Collected by the exhibitors, &c.
- 302 POLAND, SON, & MEREDITH, 52 Broad St. Cheapside, Des. and Mann.—Leopard and other hearth-rugs.
- 303 SAMSON, P. 1 Little Knight Rider St. St. Paul's Churchyard, Mann.—Minestr box, with ornamental lining.
- 304 MEYER, S. & M. Bow Lane, City, Mann.—Dressed English rabbit skins, riding boars, muffs, gloves, &c.
- 305 ELLIS, G. 23 Fore St. Des. and Mann.—Boas, victorias, muffs, &c. in fur and velvet.
- 306 DRAKE, R. 25 Piccadilly, Mann.—Russia sable, spotted ermine, and glebe muffs. Coronation robes. Astracan lamb's skin: the paws are used for the spotting of coronation robes.
- 307 CLARKE & SONS, 157 Cheapside, Mann.—Manufactured furs of ermine, mink, and musquash, natural and dyed.
- 308 CALLOW & SON, 8 Park Lane, Inv. and Mann.—Riding whips, of clarified rhinoceros hide. Riding and driving whips, with the handle of hippopotamus leather enamelled green.
- 309 FLETCHER, H. Manchester, Inv. and Mann.—Brass letters and ornaments on glass. Brass or zinc engraved plates, filled with a composition that will not crack.
- 329 VOKES, E. S. T. 9 Hope Cottages, Cottage Grove, Bedford New Rd. Clapham Rise, Des. and Mann.—Scarlet cloth table-cover, braided with upwards of 2,000 yards of black mohair cord, without patterns or pouncing.
- 330 BARNER, T. & G. 3 New Ct. Goswell St. Des. and Mann.—Registered buckskin braces, of new and old designs. “Flexible” razor strops.
- 331 BARTLETT, A. D. 16 Gt. College St. Camden Town, Preserver.—Life-sized model of the dodo. This extinct bird was formerly very abundant in the island of Mauritius. Stuffed animals and birds.
- 333 FACKS, F. & W. Northampton, Mann; HERTFORD, JOHN N. Derby, Prop.—Dress Wellington boots. Patent leather top boots. Black satin dress Wellington boots. Dress shoes, without a seam or a stitch, &c.
- 354 GOODERR, G. 16 John St. Crutched Friars, Des. and Inv.—A pair of top boots, for horse racing; weight, 3 ounces.
- 355 GILL & WARD, Oxford, Mann.—Improved portable copper steam-generator. Also two iron vessels for boiling or steaming food.
- 336 HENRY & SONS, 81 Buchanan St. Glasgow, Mann.—Embroidered dresses in merino, vevana, muslin, batista, barge, linen, and silk and linen, loom sewed, and Jaquard woven.
- 337 HESTON, S. 7 Bridge St. Lambeth, Mann.—Set of brougham harness, of first quality and workmanship.
- 338 HIDDEN, T. 88 London Rd. Southwark.—Leather buttons, with flexible shanks. New leather beads.
- 339 HOGARTY BROTHERS, Cork, Ireland, Mann.—Boot fronts and legs; black-grained calf; calf-skins, waxed and russet, and tanned in sumac.
- 340 INCK, J. 75 Oxford St. Mann.—Royal tiger-skin rug, mounted with a bear. Coronation ermine muff, inflated with air.

CLASS 17. *Paper, Printing, and Bookbinding.*

- 341 KIRBY W. Caistor, Lincolnshire.—Ladies' side saddle, of superior workmanship.
- 342 LUTON & PARSONS, King Edward St. Manu.—Registered Russia sable, princess royal, American sable, mink, ermine, minevir, chinchilla, squirrel, and seal boss.
- 343 MAIBEN, C. North Cottage, Vicar's Hill, Lewisham, Inv.—Saddle on an improved principle of fixing and relieving the flaps and pannel by hand.
- 344 MALLER, C. C. 15 Riding House Lane, Langham Pl. Des. and Manu.—An enamelled leather travelling-bag, with improved fittings, &c.
- 345 MIRARDE, ELIZABETH, Polperro, Cornwall.—Knitted frocks for sailors.
- 346 PATERSON, J. Dumfries, Des. and Manu.—A web of patterns, a vest, several vest-pieces, and half-hose, made on the common stocking-frame.
- 347 PEVCOCK, M. 100 St. Martin's Lane, Westminster, Inv. and Manu.—Improved wig.
- 348 SMITH & SONS, 10 Watling St. Manu.—Fur muffs, cardinals, flat boots, riding boots, &c.
- 349 TAYLOR, T. Dublin, Inv.—Specimen of soluble leather, a substitute for papier maché, &c.
- 350 WADE, W. Sunderland, Inv.—Ladies' saddle, ornamented with flowered stitching, with improved stirrup-strap. Solid leather plumbers' and house-carpenters' tool-bags, blocked without a seam.

CLASS 17. *Paper, Printing, and Bookbinding.*

- 1 ACKERMAN & Co. 96 Strand—Infant perambulator, by C. W. Burton. Ornamental colour box. Scrap books. Ornamental stationery, &c.
- 2 BENJOWSKI, B. 8 Bow St. Inv. Pat. and Manu.—Printing machine. The types on the interior of a cylinder. Composing apparatus, novel types. Phonetic printing. Printing for the blind, &c.
- 4 HUGHES, E. Greenwich Hospital Schools, Des.—An improved map of the British Islands, physical, political, and industrial. Map of Palestine and adjacent countries, physical and political.
- 7 HAWTHORNE, J. 77 Charrington St. St. Pancras, Manu.—Nut-galls, fruit of the Terminalia Chebula, from Bengal. Inks, &c.
- 8 EVANS, J. S. 64 Berwick St. Soho, Manu.—Book binding; and leather stained in imitation of woods.
- 9 FAIRBORN, T. 37 Gt. Cambridge St. Hackney Rd. Manu.—Specimens of wood type for printing, &c.
- 10 FISHER, J. H. New North Rd. Hoxton, Inv.—Specimen of bank note printed in chemical water-colour, in two colours at one operation.
- 11 GALLARD, W. 30 Lisson Grove, Des.—Portable frame for cases at the imposing stone, or for extra cases.
- 12 GILL, T. D. 27 Charlotte St. Fitzroy Sq. Inv.—Postage stamp expedient, for saving time, &c.
- 14 HARRILD & SONS, 10, 11, 12 Gt. Distaff Lane, and 22 Friday St. Inv. and Manu.—Improved galley press. Plough cutting machine. Numerical printing apparatus. Composition printing rollers and balls.
- 15 HARRIS, R. R. 142 Fenchurch St. Manu.—Account books; bankers' ledgers; ledger and journal, with gutta percha backs, &c.
- 17 HIDER, ELIZABETH, 41 Robert St. Chelsea, Des. and Manu.—Fancy floral paper for valentines.
- 19 HOOD, J. H. 25 Red Lion Sq. Inv. and Manu.—Improved portfolios, to protect the edges of drawings and prints, &c. Illuminated vellum binding.
- 20 HUGHES, G. A. 9 Mount Row, Westminster Rd. Inv. (Blind)—Machines for enabling the blind to write, calculate, and copy music, &c.

- 21 HYDE & Co. 61 Fleet St. Manu.—Rider's new mode of taking impressions from Intaglio. Solid India and other sealing-wax.
- 22 KING, T. & J. H. 4 Bartlett's Buildings, Holborn Hill, Des. and Manu.—Specimen of a new type-music. Original design of a series of letters called arabesques.
- 23 KIRBY, J. 103 Cornwall Rd. Lamberth—Split paper, and improved method of mounting woodcuts.
- 24 LEIGHTON, J. & J. 40 Brewer St. Golden Sq.—Specimens of bookbinding and processes, designs by Luke Limner. Imitations of old printing, &c.
- 25 LLOYD, K. 26 Birelin Lane, Inv. Pat. and Manu.—Cork cut by machinery, to preserve books and paintings from damp.
- 26 MACOMIE & Co. 6 Percy St. Bedford Sq. Manu.—Specimens of pulpit, family Bible, and other binding. A clock case.
- 27 MARSHALL, J. 35 Red Lion Sq. Des. and Manu.—Ornaments for decorating linens, woollen cloths, &c. Embossed and perforated Bristol boards. Paper. Envelopes and cards, &c.
- 28 MOSSMAN, W. 17 Rodney St. Pentonville, Des. and Manu.—Exhibition building in perforated paper. Lace and perforated papers. Decoration of rooms. Candelabra.
- 30 OAKLEY, H. 81 Dean St. Soho, Inv.—Diagrams for teaching the theory of music.
- 31 PARSONS, FLETCHER, & Co. 22 Broad St. Manu.—Printers' inks, black and coloured.
- 32 PERRY, H. 11 Old Bailey, Manu.—Metallic pocket-books.
- 33 PINCHES & Co. 27 Oxendon St. Manu.—Illuminated note paper. Stamping in relief. Smith's improved stamping press. Medal, button, and other dies.
- 34 ROYTON & BROWN, 40 & 41 Old Broad St. Manu.—Account books. Copying book. Guard book, &c.
- 35 SANSFORD, N. 17 Kirby St. Hatton Garden, Manu.—Specimen of bookbinding.
- 36 SAUNDERS, T. H. Queenhithe, and Dartford, Kent, Manu.—Parchment paper. Bank-note papers. New style of water mark. Safety paper for cheques, &c.
- 37 SAUNDERSON, C. Kilburn Lodge, Kilburn, Prop.—Map of Ireland, by J. Dower.
- 38 SCHLENDORF & Co. 8 Old Jewry—Registered metallic memorandum books. Pocket-books. Fetter-clips. Parallel rulers. Paging machine. Ticket stamping machine.
- 39 SHEAN, W. C. 14 Halsey Ter. Cadogan St. Chelsea, Inv.—Class roll, or school attendance register book.
- 40 SILVERLOCK, H. 3 Wardrobe Ter. Doctors' Commons, Des.—Letterpress printing from stereotype plates of medalion and machine engraving.
- 41 SMITH, J. 42 Rathbone Pl. Inv. and Manu.—Adhesive envelopes, &c. Dowse's tracing and writing cloth.
- 42 SPICER BROTHERS, New Bridge St. London, Wholesale and Export Stationers, Prop.—Writing papers, Joyson's extra superfine quality. Large bank post. Imperial, royal, and demy. Foolscap, for account books. Superfine plate papers for engravings and lithograph printing. Superfine printing papers. Fine news. Fine long elephant, in a sheet of 750 yards in length. Fine double long elephant, in one sheet 46 inches wide and 2,500 yards in length, for paper staining, &c. Long elephant, for paper hangings. Brown papers from pure rope, very tough for packing. A sheet of brown paper, 33 inches wide, 420 feet long. Millboards, for bookbinding, &c.
- 42A JOYNSON, W. St. Mary Cray, Manu.—Specimens of writing paper. Large bank post, blue wove, blue laid, and cream laid post; cream laid and blue laid foolscap.
- 43 TARRANT, A. 190 High Holborn, Manu.—Specimens of bookbinding.
- 44 THOMAS & SONS, 20 Cornhill, Manu.—Ledgers in various sizes and bindings.

CLASS 17. *Paper, Printing, and Bookbinding.*

- 45 **TURBULL, J. L. & J. Holywell Mount, Shoreditch, Mann.**—London drawing boards. Royal drawing boards. Coloured crayon boards, &c.
- 46 **WATERLOW & Sons, 66 London Wall, Mann.**—Account books, with patent backs, and general stationery.
- 47 **WEDGEWOOD, R. 84 Lombard St. Mann.**—Patent manifold writer. Improved noctograph for the blind, &c. Registered clip desk.
- 48 **WESTLEY, J. Playhouse Yard, Blackfriars**—Specimens of bookbinding by hand and by machinery.
- 49 **WHITAKER, R. 13 & 14 Little Britain**—Playing-cards, the backs enamelled and ornamented in gold and colours.
- 51 **WHITMAN, F. J. 19 Little Queen St. Holborn, Mann.**—Improved perforated plates for marking linen, &c.
- 52 **WIDKAL, G. F. 6 Harrow Rd. Paddington, Inv.**—Railway, omnibus, and toll-bar pocket-book and purse.
- 53 **WILLIAMS, J. 29 Bocklersbury, Mann.**—An assortment of ledgers.
- 55 **ARLES & TUCKER, 15 Frith St. Soho, Inv. and Mann.**—Views of the Exhibition Building, application of printing to tinfoil, &c.
- 56 **ATKINSON, W. Lamb's Passage, Finsbury, Mann.**—Dyed and embossed calico, for bookbinding purposes.
- 59 **BAWLEY, D. Clapham Common, Mann.**—Guard books, and specimens of bookbinding.
- 60 **BENNER, W. Cheyne House, Collegiate School, Chelsea, Inv.**—Complete phonological English alphabet. Mechanical syllabicator and instructor.
- 61 **BINGLEY, M. 10 Lawrence Pountney Lane, Inv. and Mann.**—Patent headbands for bookbinding, made by machine.
- 62 **BOKE & SON, 76 Fleet St.**—Specimens of bookbinding, showing the present state of the art.
- 63 **BOWDEN, G. 1 Little Queen St. Holborn, Inv. and Mann.**—Registered artist's economical desideratum, containing seat, and the necessary requisites for sketching.
- 64 **BRETHALL, T. D. Mann.**—Patent paper cloth, in rolls of 100 yards, transparent and opaque.
- 65 **CAHN, D. 16 Wilson St. Finsbury, Mann. and Imp.**—Vine and ivory blacks for printers, dyers, japanners, paper stainers, and cutlers.
- 66 **CANDY, T. H. King's College, Strand, Inv.**—Map of the globe, the meridians of equal length, and the parallels of latitude in their true proportion.
- 67 **CHURTON, E. 26 Holles St. Des.**—Specimens of bookbinding; each work ornamented according to the era or the subject of which it treats.
- 68 **CLARKE, J. 61 Frith St. Soho**—Various specimens of bookbinding.
- 71 **CLEMENTS, J. 21 & 22 Little Pulteney St. Golden Sq. Inv.**—Material for bookbinding, or other purposes where plain or ornamental surfaces are required.
- 73 **COOKE, J. & C. 84 Cannon St. Mann.**—Coloured, embossed, and transparent sealing-wax.
- 75 **CROCHLEY, G. F. 81 Fleet St. Des.**—Large map of England and Wales, consisting of 65 sheets, each 24 by 19 inches, at two miles to the inch; and other maps.
- 76 **DE LA RUE & Co. 110 Bunhill Row, Mann.**—Envelope folding and gumming machine, invented by E. Hill and W. De la Rue. Samples of stationery, and specimens of printing and bookbinding.
- 77 **ARMSTRONG, J. 11 Gt. College St. North, Camden Town, Sculp.**—Specimens of illustrated music printing.
- 78 **CASLOW & Co. Chiswell St.**—Specimens of calligraphic type, engraved, &c. by E. Balleau. Colours for ornamental printing.
- 79 **DOHN, KIDD, & Co. 134 Fleet St. Des. and Mann.**—Embossed drawing-boards, cards, and paper. Lace-bordered cards and paper. Application of embossing to the fine arts.
- 80 **STOKES, B. Ivy Cottage, Kingsland, Inv.**—New chemical ink for writing on paper or parchment beamered with grease, for butchers, bakers, oilmen, conveyancers, &c.
- 83 **HAYWOOD, J. 170 Deansgate, Manchester, Mann.**—Copy-books, with printed headings, and in two qualities of paper.
- 84 **HAMER, A. Horsforth, near Leeds, Mann.**—Cloth papers for pressing and finishing woollen cloths. Press papers for stuff goods. Gun wadding.
- 85 **HASTINGS & MELLOW, Leeds, Mann.**—Press papers, for woollen cloths. Brown papers, glazed and unglazed, for wrapping up, &c.
- 86 **KNIGHT, J. Y. 39 Briggate, Leeds, Mann.**—Ledgers and smaller account-books.
- 87 **RAGNER & Sons, 15 Paternoster Row, Prod.**—Polyglot bible, printed in separate pocket volumes, which correspond, page for page, with each other. Other specimens of typography.
- 88 **CROSS, G. New Coventry St. Inv. and Mann.**—Print collector's improved scrap-book, without guards.
- 89 **RIVIERE, R. 28 Gt. Queen St. Lincoln's Inn Fields, Des.**—Specimens of bookbinding.
- 90 **FERGUSON BROTHERS, Edinburgh, Mann.**—Specimens of printing type.
- 91 **NEIL, R. 13 North Bank St. Edinburgh, Des. and Mann.**—Bookbinding. An imperial quarto Bible, splendidly bound, with case, &c.; designed and executed after business hours, by gas light, by a self-taught individual.
- 92 **SINCLAIR, DUNCAN, & Son, Whiteford House, Edinburgh, Des. and Mann.**—Small founts of music type of different sizes and body, with specimen pages, &c.
- 93 **WATSON, G. Edinburgh, Mann.**—Specimens of sealing wax and wafers.
- 94 **MACKENZIE, W. London St. Glasgow, Inv.**—A volume printed in church text, illuminated with red capitals, both colours printed from the same form.
- 96 **RANCKE BROTHERS, Weirhouse Mill, Cheam.**—Writing-papers, with ornamental designs, and autograph signatures in the water-mark, &c. Patented.
- 97 **BUDDER, E. Cambridge, Des. and Mann.**—Bookbinding:—Album, inlaid in colours; the leaves gilt, silvered, and painted with colours, &c. Bible in purple morocco, with gilt cover and joints.
- 98 **JENKINS, R. Reading, Mann.**—Specimens of bookbinding in leather.
- 100 **SMITH, E. Felling Shore, Gatehead, Prod.**—Glazed brown paper, by Gallon and Co., paper brokers, Felling Shore. Glazed by improved process.
- 102 **WILDES, W. Snodland, Rochester, Des. and Man.**—Specimens of writing paper ornamented by wreaths of various flowers in water-mark. Design registered.
- 103 **WHELMAN, H. R. 9 Trinity St. Cambridge, Mann.**—The King's Bible, printed at the Pitt Press, Cambridge, bound in royal scarlet morocco, illuminated vellum fly-leaves, tooled edges, &c.
- 106 **CUNDALL & ADDEY, 21, Old Bond St. Publishers.**—Specimens of bookbinding: in gold paper, morocco, and cloth, by James Hayday. Metal ornaments, by T. Burt and Sons.
- 107 **KNIGHT & HAWKES, 13 Clerkenwell Close, Manuf.**—Stereotype casts, in English, German, Irish, Syriac, Hindostanee, Chaldee, Persian, and other type; from engravings in wood, steel, &c. Stereotype plates for surface printing in colours, and for embossing.
- 108 **ROCK BROTHER & PAYNE, 11 Walbrook, Mann.**—Scrap books—views of England.
- 109 **ORR, W. S. & Co. Amen Corner.**—Specimens of

plain and ornamental binding. Series of maps, illustrating the physical features and phenomena of the globe.

110 PECKERD, J. P. Des.—Tate's exchequer ink.

111 WESTLEYS & Co. Friar St. Doctors' Commons, Manu.—Specimens of bookbinding, in plain and ornamental styles.

112 EVANS, E. Yorkshire St. Oldham, Des.—Specimens of typography.

117 MACNAIR, W. Glasgow.—Specimens of bookbinding.

118 STIRLING, W. Kennure House, Glasgow, Prop.—A copy of the Bible, in white morocco, and gilt, as a specimen of bookbinding.

119 TODD, J. Perth, Manu.—Writing inks and ink powders, known as the Perth writing inks.

120 PARKER, J. H. Oxford, Prop.—Illustrated books.

121 FLOWMAN, J. St. Aldate St. Oxford, Inv. and Manu.—Portable letter-case, for taking copies of letters, written in ink, by the mere pressure of the hand.

122 EDWARDS, H. E. 7 Whitworth Row, Dublin, Inv.

—Substitute for the stereotype plate now in use.

123 COCKE, R. & Co. New Burlington St. part Manu.—Dr. Boyce's collection of cathedral music, by J. Warren; a specimen of the art of engraving and stamping musical notes on plates of pewter; also of music, printing, and bookbinding.

124 FIGGINS, V. & J. Des. and Manu.—Specimens of type, of French, German, and English design. Raw materials. Mould and matrix. Specimens of stereotype and polytype.

127 NOVELLO, J. A. 69 Dean St. Soho, and 24 Poultry, Prod.—Specimens of music type, and a sketch of the method of printing music from moveable types, &c.

128 MANCHIN & MOREL, 8 Wilson St. Gray's Inn Rd. Manu.—A wood-cut bituminous, stereotype plates, and engravings.

129 PETERMANN, A. Camden St. Camden Town, Geographer and Engraver.—Geographical illustrations, consisting chiefly of physical and statistical maps of the world. Specimens in manuscript, engraved on metal and engraved on stone.

130 WILSON, J. L. 128 St. John St. Manu.—Specimens of various kinds of cloth for bookbinding.

131 DUTHIE, J. 17 Albion St. Leeds, Des. and Manu.—Specimens of bookbinding.

133 KENNEDY & RAMSAY, Market Pl. Arbroath, Scotland, Inv.—Book containing impressions from natural leaves.

134 CLARK, W. Dumfermline, Scotland, Des.—Specimens of bookbinding.

135 CLARK & DAVIDSON, Manchine, Scotland, Manu.—Specimens of bookbinding in wood boards, ornamented with arabesques, &c. Metallic books, with arabesques, &c. Ornamented wood flower-vases. Work-box. Crotchet snuff-boxes, &c. of fancy wood, with imitation of tartan.

136 BRADBURY & EVANS, Whitefriars.—Specimen of letter-press and wood-cut printing.

137 DUDMAN, J. Cumberwell Pl. New Rd. Inv.—Specimens of three sorts of self-sealing envelopes.

139 WRIGHT, J. 14 and 15 Noel St. Soho.—Various specimens of bookbinding, including the illuminated books of the middle ages, by H. Noel Humphrey and Owen Jones.

140 PICKERING, W. 177 Piccadilly.—The Victoria Book of Common Prayer. King Edward VIth's Book of Common Prayer, with musical notes by John Merbecke, 1550. Euclid, the first six books, with coloured diagrams and symbols. Specimens of the dresses, decorations, misal ornament, and decorative art of the middle ages, by H. Shaw.

142 RALPH, F. W. 36 Throgmorton St. Manu.—Regis-

tered polyohrest envelopes, invented to combine in one the note and envelope.

143 DEWDNEY, J. Cullompton.—Specimens of paper.

144 SMITH, W. & A. Manchine, Ayrshire, Scotland, and 61 Charlotte St. Birmingham, Manu.—Variety of articles of Scotch fancy wood-work, made chiefly of the wood of the sycamore tree, ornamented with tartan checking, and in the style called Sooto-Russian.

145 BRIMS & GOODWIN, Bath, Publishers.—Natural illustrations of the British grasses; illustrated with sixty-two real specimens.

147 LAMB, J. Newcastle-under-Lyme, Manu.—Pottery tissue papers, used for printing china and earthenware from copper rollers and plates. Specimens of old rope from which the paper is manufactured.

148 STATHES, J. 8 Dock St. Hull, Inv.—New application of the electrotype to letter-press printing, by which plates are manufactured similar to those of stereotype.

149 VENABLE, WILSON, & TYLER, 17 Queenhithe, Manu.—Specimens of the present state of the paper manufacture in Great Britain, classified and arranged in portfolios and reams. Specimens of the materials used in its various stages of preparation for the manufacture of paper.

150 MILLER & RICHARD, Edinburgh, Founders.—A specimen of the smallest types ever manufactured in this country, cut and cast expressly for the Great Exhibition. The whole of Gray's Elegy, consisting of thirty-two verses, is contained in two columns, $3\frac{1}{2}$ inches deep.

152 MILLER & RICHARD, Edinburgh, Manu.—"Brilliant" type. A specimen of this country, cut expressly for the Great Exhibition of 1851, and cast by the exhibitors' patented machine.

154 RELIGIOUS TRACT SOCIETY, 56 Paternoster Row, Prod.—Religious books and tracts, printed in the languages and dialects of Great Britain, Western, Northern, Central, and Southern Europe; Asia, Africa, North America, and Polynesia.

155 SWANE, T. F. 43 Southampton Buildings, Inv. and Manu.—Specimens of red marking-ink for linen, silk, &c.

156 WEBB, W. 34 Southampton Buildings, Chancery Lane.—An improved instrument for writing with pens and ink several copies simultaneously.

158 LEGGISTON, JANE & ROB. Harp Alley, Shoe Lane.—Specimens of bookbinding by machinery, each book being ornamented at a blow by an engraved die.

159 WOODERSPOON, J. 16 and 17 Portugal St. Lincoln's Inn Fields, Des. and Manu.—Specimen of an account book, of patent vellum cloth.

160 SANDREES, T. H. Dartford, Kent, Manu.—Glass transparency, to show the watermarks in paper.

161 BURSILL, G. H. 9 York Ter. Queen's Rd. Hornsey Rd. Holloway, Inv.—Improved patent envelope.

162 BRINDLEY, W. Twickenham, Pat. and Manu.—Patent waterproof and papier-maché goods. Waterproof paper, similar to that used for preserving the roof of the Britannia tubular bridge; and raised and embossed papier-maché ornaments.

163 LINES & Co. 6 Plumber's Row, Fieldgate St. White-chapel, Manu.—Esade's patent metallic marking ink. Prussian blue, soluble in water, for the manufacture of a blue writing ink. New salts of gold, ammonio-iodide, and ammonio-periodide of gold.

164 HARRIS, J. C. Jacob St. Bristol, Manu.—Model of a shop front, showing the application of mahogany perpendicular shutters, winding both ways.

165 ISAAC, J. E. 62 Castle St. Liverpool, Inv.—Registered cabinet, in oak, for containing maps, diagrams, &c. Registered music and reading desk. Bottles in earthenware and glass, with lip for holding ink.

CLASS 18. *Woven, Felted, and Laid Fabrics, Dyed and Printed.*

166 CORRA, W. Waterloo Pl. Edinburgh, Manu.—Specimens of bookbinding. Model of modern Jerusalem, for illustrating biblical history in schools, &c.

167 ELLIS, H. 8 Hardwick Pl. Dublin, Fro.—The rhyme book, a collection of poems written by the exhibitor.

168 ARATZ, F. 3 Ernest St. Albany St. Inv.—Specimens of a new art, called metallography; consists in printing on and ornamenting metallic surfaces. Provisionally registered.

169 BENSON G. Mile End Rd. Manu.—Tracing paper, upwards of three hundred feet in length. Ventilating chimney pot.

170 EDINBURGH SCHOOL FOR THE BLIND, Abbey Hill, Edinburgh.—Dr. Foulis's tangible ink for the blind, producing raised characters on paper; manuscript music notation for the blind, &c. Mr. Gall's typhlograph, a simple apparatus to teach the blind to write; system of arithmetic for the blind, and types by which blind persons can correspond with one another, &c.

171 GALL, J. Myrtle Bank, Edinburgh, Inv.—Gall's triangular alphabet for the blind; Gall's apparatus for writing by and to the blind.

172 HERDMAN, W. G. Everton, Liverpool, Inv.—Diagrams illustrative of a new system of perspective drawing, with specimens.

MUIR, R. Dunlop St. Glasgow, Inv.—Electro-stereo-type plate for letter-press printing, from a mould of gutta percha, taken from a page of diamond type in a screw-press.

WILD, J. Charing Cross East, 454 West Strand, 2 Royal Exchange, and the Gt. Globe, Leicester Sq.—A General Atlas, containing 67 maps of the various parts of the world, describing their respective, physical and political features, including all the recent discoveries. Other atlases; maps and globes.

CLASS 18. *Woven, Felted, and Laid Fabrics, Dyed and Printed.*

1 EVANS, D. & Co.

2 BAKER, TUCKERS, & Co. 30 and 31 Gresham St. Manu and Printers.—British and East India silk handkerchiefs and dresses, printed in London. Registered designs.

3 LIDDARD & Co. Friday St.

4 ISGLES & WAKEFIELD, Bealy Print Works, near Glasgow.—Printed mousselines-de-laines on cotton warp; printed Cashmeres, balzarines, cottons, and jacanets: designs registered.

5 ANDREWS, SONS, & GER, 55 Friday St.—Printed cotton, muslin, woollen, and mixed fabrics.

6 DIVAS & Co.

7 WELCH & MARGENTON.

8 WILKINSON, W. 89 Watling St.—China cord "pongee" handkerchiefs, and China and grey twilled bandanas, British manufacture. India corahs, specimens of madder red, cochineal, crimson, &c. Specimens of printed and dyed work, in various stages.

9 SWAN & ENGAL, Piccadilly and Regent St. Prop.—Spitalfields silks, velvets, &c. manufactured by J. Balance and Sons, Stone and Kemp, and Winkworth and Proctor. Muslins, printed by Hargreaves, Brothers.

10 LAW & SONS.

11 CROCKER, J. & W. & Co.

12 KEYSER, J. Lawrence Lane, Prod.—Silk bandana handkerchiefs, &c. a study, commemorative of the Great Exhibition. Printed by A. Applegath, Dartford.

13 MAIR, J. SONS & Co.

14 McALPIN, STRAD, & Co. Cummersdale, Carlisle, Des.—Machine and block chintz furnitures, upon cotton velvet, and upon calico.

15 HINDLEY & SONS, 134 Oxford St. Des. and Manu.—Sideboard of British red oak, in the Tudor style. Chiffoniere, of English walnut-tree, top of sienna marble. Davenport writing-table, of Albuera wood. Bookcase, tables, chairs, &c. Printed chintz furniture: original designs, English production. Rich velvet carpeting. English hand-wrought carpets, Turkish style. Oriental carpets.

16 FOSTER, PORTER, & Co. 47 Wood St. Cheapside, Manu.—Silk, thread, woollen, leather, and silk-plush gloves. Bandanas. Parasols. Ribbons. Fancy hosiery—polka jackets, &c.

17 WILSON.

18 WELCH, T. Merton Abbey, Merton, Manu.—Printed and embossed cloth drawing-room table-covers, different designs and colourings.

19 WALFORD, E.

20 JOHNSON, R. J.

21 SWAINSON & DENNY, 97 New Bond St. Des. and Printers.—Chintzes for dining-rooms, libraries, &c. Chintz, imitation of drapery, for wall-hangings, curtains, bed furniture, &c.

22 CLARKE, E.

23 THOMSON BROTHERS & SONS, 1 Mosley St. Manchester, Prod.—Printed cambrics and de laines, cotton warps, shot silk, and worsted; printed cambrics, &c. silk warps, shot silk.

24 BIRD & SONS, Manchester, Printers.—Machine-printed calicoes and muslins, madder and steam colours. Block-printed calicoes, steam colours. Block-printed window blinds. Printed quilts.

25 GRAY & Co.

26 DALGLEISH, FALCONER, & Co. Lennox Mill, Lennox-town, Stirling, Scotland, Printers.—Calico prints and muslin prints.

27 THE STRINES PRINTING Co. Manchester, Prod.—Specimens of machine printing on cotton velvet; eight colours, produced by one operation, at the rate of sixty yards per minute. Specimens of madder work, &c.

28 NELSON, KNOWLES, & Co. 11 George St. Manchester, Printers.—Steam furniture; all the colours printed at once by cylinder.

29 POTTER, E. & Co. Dinting Vale, Glosop, and Manchester, Prod.—Variety of calico prints; moderate in cost, adapted for a variety of markets, and produced by machine throughout.

30 SAMUELS, J. & Co. Manchester, Manu.—Velvets; velveteens; moleskins; satins; printed drills; Albert tweeds; Hobsteins; Waldemars; mock quiltings and herring bones; diamond and welted quiltings and satins.

31 RAMSEY, C. & Co. Manchester, Prop.—Dyed and printed cotton trouser cloth, in imitation of woollen.

32 BANFERRMAN & SONS, Manchester, Prod.—Dacian cloth. Patent cloth, used for curtains, &c. Cloth for ladies' dresses, coats, bindings for books, &c.

33 BAYLEY & CRAVEN, 61 Mosley St. Manchester.—Calico prints, fast lilac, madder colours; and two and three coloured madder works. Sample of a new "resist" purple, &c.

34 SWANWICK & JOHNSON, Manchester, Prod.—Printed calico and printed muslin.

35 HOYLE & SONS, 58 Mosley Street, Manchester.—Printed calicoes. Printed cambrics, suitable for children, and large patterns for dresses. Printed muslins. Checked and plain jacanets. Printed mousseline-de-laines and llamas, both mixed fabrics.

36 SREINER, T. & Co. Church, near Accrington, Manchester, Manu. and Inv.—Cotton fabrics, dyed Turkey-red and printed in various colours.

CLASS 19. *Tapestry, Floor Cloths, Lace and Embroidery, &c.*

- 83 HARGREAVES, BROTHERS, & Co. Manchester; LEIDYARD & Co. London, Manu.—Chintzes and muslins, printed in permanent colours. A design of ore block printing, exemplifying the merits of Mercer's patent process with the ordinary colours, &c.
- 89 SALE, J. N. Manchester, Prod.—Collection of shirtings and of cottons, printed by machine and block.
- 40 BRADWELL & ADAMS, Ardwick, Manchester, Prod. and Des.—Design, printed velveteens; a memento of the late Sir Robert Peel, Bart.
- 41 BRADWELL & ADAMS.
- 42 WORLEDGE, Manchester.
- 43 SALES, SCHWABE, & Co. Manchester, Prod.—Printed cotton cambrics, or calicoes. Printed cotton muslins.
- 44 BENOKE, W. & Co. Manchester.—Printed calicoes, muslins, furnitures, and velvets; and warps, after printing, manufactured by T. Knight & Co. Manchester.
- 45 ANDREW & Co.
- 46 KESSELMEYER & MELLODEW, 23 Cooper St. Manchester, Inv. and Manu.—Patent velvets and velveteens, cotton, and cotton and linen, finished in imitation of silk velvet. Cotton velvet and velveteen of the old make.
- 47 WOODCROFT, J. & Co. Salford, Printers.—Velvet and velveteen. Beaverteens. Satintop. Diagonal tweed, cords, &c. grey and printed.
- 48 GREENWOOD & BARNES, Irwell Springs, Manchester, Dyers.—Fancy cotton muslins, dyed Turkey red.
- 50 SIMPSON & YOUNG, Foxhill Bank, Accrington, and 23 Mosley St. Manchester, Prod.—Balmorines, barèges, and mousseline-de-laines, cambrics, cotton velvets, &c., printed by machine.
- 51 MEEGER, J. Accrington, Inv.—Cotton cloth, printed, dyed, &c., prepared by patent process.
- 52 MONTETZ, H. & Co. Glasgow.
- 53 M'NAIR & BRAND, Glasgow, Des.—Printed wool shawls. Long shawl, cotton warp, wool weft. Square printed shawls, all wool, India pattern, new design.
- 54 BLACK, J. & Co. Glasgow, Manu.—Printed cambrics, muslins, de laines, barèges, &c.
- 55 GOURLIE & SOX, 8 South Frederick St. Glasgow, Des.—Printed muslins, on plain and fancy fabrics: designs registered.
- 56 MONTETZ, J. & Co. 51 Buchanan St. Glasgow, Manu.—Printed muslins and jaconets. Printed mixed fabrics.
- 57 KERR & McMILLAN, Glasgow.—Two printed silk pocket-handkerchiefs, exhibited for fabric and design.
- 58 STIRLING & SOX, Glasgow, Manu.—Specimens of Turkey-red dyeing and printing, on cotton fabrics.
- 59 EWING, ORR, & Co. Glasgow, Manu.—Turkey-red full chintz furniture printed by blocks. Turkey-red chintz print, printed by cylinder machine.
- 61 CHABOT, P. J. Spitalfields, Prod.—English and foreign woollen yarns, English dyed.
- 62 REYNOLDS & SON, Temple St. Hackney Rd. Dyers.—Specimens of skein silk dyeing.
- 63 FRANK, J. Fairfield Silk Dye Works, Droylsden, near Manchester, Inv.—Specimen of dyed silk, for hat plush, satins, or other fabrics. The colour is unaffected by heat, and the brilliancy is permanent.
- 64 APPELGATE, A. Dartford, Kent.—Bandana handkerchiefs printed by machinery.
- 65 MAIR, J. SOX, & Co.
- 66 MCCALLUM, Government School of Design, Manchester.
- 68 FLETCHER, J. Altrincham, Des.—Design, eleven colours, repeat of sketch; design, nine colours, repeat of sketch, intended for practicable work (block work).
- 69 GLOVER, MARLA, School of Design, Manchester.—Designs for borders, in which natural objects are applied ornamentally, for wall papers, carpets, or porcelain.
- 71 GREEK, H. Malbury Park, Dorchester, Des.—Designs for printing on calico and mousseline-de-lains.
- 72 HAMMERLEY, J. A. Government School of Design, Manchester.
- 74 HORNE, W. 33 Gt. Jackson St. Hulme, Des.—Design applicable for printed chintz furniture.
- 78 KAY, H. Hawlenstoll, Manchester, Des.—Designs for muslin-de-laine and cotton muslin.
- 80 ROBERTS, T. New St. Altrincham, Des.—Six five-colour designs for de-laine; blockwork enclosed in the same frame.
- 81 SMITH, J. Sandway, Altrincham, near Manchester, Des.—Designs for a portiere, or door-screen; and for machine and block printing on silk, de laine, and cambric.
- 84 WATERBOUR, J. Manchester, Des.—Ornamental design for a dress skirt; adapted for machine printing on fabrics.
- 86 WHITTAKER, J. Manchester, Des.—Design for muslin.
- 87 CARTER, J. Dartford, Des.—Designs for woven and printed cotton and plush furniture.
- 88 HIRREN, M. 47 High St. Cowes, Isle of Wight, Prod.—Hair, to show the effect of dye. Wools, showing different dyes applied without fire-heat. Horn, stained without the application of soda or potash, to imitate tortoiseshell.
- 89 HOBSON, C. Merton, Surrey, Des.—Design for printed shawl.
- 90 MANSENFEL, F. 63 Bread St. City, and 31 Acton St. Gray's Inn Rd. Des.—Chintz furniture design, arranged for block printing.
- 91 FESCVIAL, J. Manchester, Des.—Designs for muslin-de-laine.
- 92 SANDERMAN, H. Tulloch Bleachfield, Perth, Manu.—Handkerchiefs, and bed-coverlet, dyed with murexet.
- 93 WATERSON, J. A. 22 Ormond St. Choriton-on-Medlock, Des.—Designs for printed muslins.
- 94 SMITH, D. Gerrard St. Halifax, Author.—Practical Dyer's Guide, contains recipes for dyeing worsted and cotton fabrics, with specimens.

CLASS 19. *Tapestry, Floor Cloths, Lace and Embroidery, &c.*

- 1 BIDDLE, D. 81 Oxford St. Prop.—Specimen of Honiton lace. Designed by T. Sharp, and manufactured by J. Tucker. Honiton guipure mantle. Bridal and guipure scarfs; shawl; double founoes. Flounce of point d'Angleterre.
- 2 FISHER & ROBINSON, 12 Watling St.—Black silk lace and piece goods, blonde machine-run curtains, tambour-flowerings, needlework, quiltings, &c.
- 3 GROUCCOCK, CORNFARKE, MOORE, & Co. 5 Bow Chyd. Manu.—Lace from Honiton and Buckinghamshire, embroidered muslins, cotton lace, net, needlework, &c.
- 4 LAMBERT & BURY, Limerick, Ireland, Des. and Manu.—Lace: shaded lace founoe; shawl; and worked scarf, in imitation of Valenciennes, &c.
- 6 HARTLEY, ELIZABETH, Low Bridge, Knaresborough, Des. Inv. and Manu.—Hearth-rug, boe and muff, carriage-bonnet and cuffs, from English lamb and sheepskin.
- 7 ROBINSON, J. Waterside, Knaresborough, Manu.—Carriage-rugs, hearth-rug, boes and muffs, carriage and wool-lippers, and table-mat, from sheepskin.
- 8 WEDDON, F. Goldsmith St. City, Manu.—A rich British point-lace square, and specimens of flouncing.
- 7 CLARKE, E. Neate St. Cobourg Rd. Old Kent Rd. Manu.—Printed and painted japanned table covers.

CLASS 19. *Tapestry, Carpets, Floor Cloths, Lace and Embroidery, &c.*

8 HILL, G. Knarborough, Mann.—Rugs for carriages, carriage-slippers, and tea-urn mats.

9 CLAPHAM, J. Knarborough, Mann.—Hearth-rug. Door-mats, foot-muffs, travelling shoes and boots, muff, box, victrola, and tea-urn mat, from sheepskin.

10 LANGRISH & COHEN, 97 Oxford St. Prop.—Guipure lace half-awawl, manufactured at Honiton.

11 WEDON, F. P. 29 Lower St. Islington, Des. and Mann.—A lace berthe of a description of work designated British point.

12 PULLAN, MATILDA, 126 Albany St. Regent's Park, Des. Inv. and Mann.—Modern point lace, worked with a common sewing needle.

13 TAWELL, S. 16 Gresham St. West, Mann.—Tamboured lace scarf, imitation of Honiton, manufactured in London.

14 GOULD, J. & P. 89 Watling St. Mann.—Registered Victoria lace work, produced entirely by hand.

15 URLING, G. F. 224 Regent St. Mann.—White lace scarf, in imitation of Brussels point, embroidered in gold, &c. and worked upon a fine clear patent net.

16 GARD, W. S. 268 Regent St. Des. and Mann.—British point lace scarf. British guipure lace berthe, a new manufacture.

17 RIDGO DE LA BRANCHARDIERE, ELENORE, New Bond St. Inv. and Mann.—Crochet work. Flounce, imitation of Spanish point lace. Design, in silk and gold, for Prayer-book covers.

18 CLARKE, J. 170 Regent St. Mann.—Royal Irish snow point leppet; head dress of Irish rose point; loop point scarf of Belfast; Hibernian point collar, &c.

19 CLARKE, JANE, 170 Regent St. Des. and Mann.—Spitalfields enamelled silks and articles of Irish point lace (Belfast).

21 ADAMS & SONS, Nottingham, Mann.—Laces and edgings, made entirely by machinery.

22 WALSH & WINDLEY, Nottingham, Mann.—Thrown silk, used in the manufacture of lace, hosiery, and gloves. The produce of India, Italy, and China.

24 THACKERAY & SONS, Nottingham, Mann.—Cotton-gumet, Lisle and dressed cotton; double-spun, or single cotton; selvaige and warp-cotton threads, &c.

25 HEYMANN & ALEXANDER, Nottingham.—Machine-wrought cotton lace curtains. Cotton extra twist Brussels net. Zephyr net, for embroidery. Mechlin net, and cotton Brussels quiltings. Black silk Jacquard lace, shawl, &c.

27 WENTLOCK & BILLIARD, Mary Gate, Nottingham, Mann.—Machine-wrought cotton Mechlin laces, needle embroidered. The groundwork made from No. 520 yarn, spun and doubled.

28 HERRICK & Co. Nottingham, Mann.—Lace of various kinds from the warp machine; crotchet lace from the warp and twist machine. Blond edgings, from the twist machine.

29 MALLER & BARTON, Nottingham, and New Bedford, Mann.—Silk lace; silk lace fringes, imitation Valenciennes; cotton laces, hand and machine-wrought.

30 HOLLINS, S. Nottingham, Mann.—Lace goods: Machine-made cotton Brussels nets and laces, figured by the needle. Various hosiery goods.

31 MOORE, S. W. Hockley Mill, Nottingham, Mann.—Lace and net made from No. 520 lace thread, and plain net made from No. 630.

31 MOIR, J. M. Bromley Pl. Nottingham, Des.—Designs for black silk lace shawls, dresses, and founcings. To be made on Pusher machine.

32 RECKLESS & HICKLING, Nottingham, Mann.—White and black lace flounces, &c., falls, shawls, &c., embroidered partly by machinery, and partly by hand.

33 VICKERS, W. Nottingham, Mann.—Black silk lace

shawls, scarfs, mantles, falls, &c., from the pusher bobbinet machine, and embroidered.

34 GRASLEY & HOPCROFT, Nottingham, Mann.—Lace articles. Jacquard pusher silk shawl. Figured needlework shawls, falls, &c.

36 HEALD, B. Old Sneinton, n. Nottingham, Des.—Designs for Honiton lace, founcing; lace curtain for single-tier machine; and black silk lace shawl for pusher machine.

37 HEALD, H. Old Sneinton, n. Nottingham, Des.—Designs for black silk lace shawl and fall for the pusher machine; and for lace shawl for single-tier machine.

38 M'DARMID, MARY ANN, Bagthorpe House, n. Nottingham, Des.—Embroidered quilt.

40 SHAW, J. Radford, n. Nottingham.—Berlin wool vest, from the stocking frame, with the Jacquard. Window curtains, &c., from the stocking frame.

41 STRESEMANN & Co. Nottingham, Inv. and Mann.—Figured lace-curtains, made entirely on the lace machine by Jacquard application.

45 FOREST & SONS, 101 Grafton St. Dublin, and Abbey Ct. Factory, Limerick, Mann.—Laces: Royal Irish guipure, Irish appliqué; Limerick; lace dresses, founcings, scarfs, &c.

47 VESCHY, A. M. J. 21 Greville St. Hatton Garden, Mann.—Artificial flowers in wool, green turf, &c.

48 JANCOVSKI, W. York, Des. and Mann.—State chair, of ruby-coloured silk velvet, embroidered with gold, silver, and jewels. Arms of the city of York, embroidered in gold, silver, and silk. Picture, embroidered in tent stitch with silk.

50 ROSS, ELIZABETH, Paulstapury, near Towcester, Des. and Mann.—Full-sized black lace dress. Shawl. Scarf-shawl. Veil. Berthe, made of black pillow lace.

51 MEY, CORNELIA, Bath, Inv. Des. and Mann.—Banner screen, the flags of all nations, richly embroidered in fine silks, held by a figure of Peace, modelled from Canova's statue. Embroidery applied to decorative furniture.

53 O'DONNELL, MARY, 69 London St. Reading, Des.—Ornamental leather. Hand-scissors in stamped gutta percha, preserved real flowers and embroidery, &c.

55 TREADWIN, C. E. 27 Cathedral Yd. Exeter, Mann.—Devonshire, or Honiton, point lace. Designs from the Government School of Design, London.

55 FORSTER, RUTY, & Co. 64 Friday St. Prop.—Curtains of embroidered lace, and embroidered muslin white and coloured of Swiss manufacture.

56 ONION, E. 38 Broad St. Birmingham, Mann.—Velvet drapery valance, worked with gold silk braid. Crimson valance fringe. New drapery rope. New diamond valance fringe, in silk. Registered bell lever ornaments. Curtain-holder. Ornaments for valances. Coach and railway carriage lace and trimmings.

57 BROWN, SHARPE, & Co. Paisley, and 18 Watling St. London, Mann.—Embroidered and tamboured book muslin dresses. Embroidered scollop and insertion trimmings, flounces, collars, &c.

58 BROWN, S. R. & T. Glasgow, Mann.—Muslins embroidered by the peasantry of Scotland, and the north and west of Ireland, consisting of dresses, collars, caps, habit-shirts, trimmings, &c. Exhibited for cheapness.

59 PARK & THOMSON, Glasgow, Mann.—Children's sewed robes; ladies' collars, handkerchiefs, fancy habits. Cambrie and book flounces, sewed trimmings, &c.

60 MACARTHUR, D. & Co. Glasgow, Mann.—Hamilton lace goods.—Dresses, cloak or mantilla, capes, veils, sleeves, &c.

62 ROBERTSON & SONS, Glasgow, Mann.—Sewed book-muslin and cambrie squares for fancy table covers. Rich specimens of embroidery.

64 BROWN, H. 100 & 104, Virginia Pl. Glasgow Mann.

CLASS 19. *Tapestry, Carpets, Floor Cloths, Lace and Embroidery, &c.*

- Sewed book muslin collars, frilled chemisettes, fancy habits, cambric handkerchiefs, embroidered book-muslin dresses, &c.
- 65 MACQUARRIE, FRANK, & Co. Glasgow, Mann.—Black and white silk, cotton, and linen lace. White silk and gold under sleeves. Coloured silk and gold apron and parasol cover.
- 66 MACDONALD, D. & J. & Co. Glasgow, Mann.—Embroidery on book-muslin, &c. Embroidered French cambric. Embroidered baby linen. Embroidered trimmings, insertions, flounces, &c.
- 67 FOOT & SOSS, 36 Spital Sq. Mann.—Fringes, elastic ribbon trimming, combination of velvet and brocade, &c.
- 68 ARTHUR, ANN, Mann.—Silk, worsted, and cotton braids, for figuring. Netted buttons. Fringes, gimps, girdles, and tassels. Olivets. Braids and frogs.
- 70 GARRICK, J. W. 135 Regent St. Mann.—English embroidery, on silk and woollen, for waistcoats.
- 71 DARTY, C. & T. 14 Coventry St. and 43 New Bond St. Mann.—Brandenburgh crochet silk gimp trimming, girdles, silk fringes, crochet head-dress, &c.
- 74 EVANS, R. & Co. 24 Walling St. Mann.—Silk ornament, ball-pulls, curtain-holders, cords, gimps, tassels, and rosettes, trimmings, &c.
- 74 BRADDER, G. W. 115 Hewgate St. Mann.—Needlework by Mrs. Marsh, &c. A group of flowers, &c., made of leather. Fringes, gimps, tassels, trimmings, &c.
- 75 BURTON, R. 43 Bartholomew Close, Mann.—Deep bullion fringe, woven to shape. Ornamental hangers, pendants, fringes, rosette medallions, &c.
- 76 BARNETT & COOPER, 70 Little Britain, Mann.—Gold and silver threads for lace, embroidery, headings of cloths, muslins, &c., gold and silver bullion, pearls, plates, and spangles, cords, braids, gimps, laces, and embroidery.
- 77 IRISH WORK SOCIETY, 233 Regent St.—Specimens of appliqué lace. Crochet work. Real guipure, from old models. Straw plait, made of Irish grasses. Tabinets or poplins. Black and white pillow lace. Fine knitting. Black silk mittens, knitted and netted. Bog oak carvings. Imitations of guipure. Embroidery, worked *au blanc*, &c. Knitted hosiery. Plain-work. Woven cotton hosiery, by Smyth and Balbriggan. White mats, made of Irish wool, &c.
- 78 CLARK, J. 56 High St. Bradford.—Tablecloth, embroidered with thread on crimson sarsenet.
- 79 LEES & Co. E. 36 King St. Cheapside, Mann.—Printed mohair tapestry; Utrecht mohair velvet; mohair velvets; printed Chinese velvets of mohair, &c.
- 80 SOBEY & SON, 12 King St. Cheapside, Mann.—Silk twist, manufactured at Leek, Staffordshire.
- 81 HART, G. 7 Market St. May Fair, Inv. and Mann.—Registered boxes, ornaments, &c. in muslin and cotton.
- 82 SMITH, ANDERSON, & Co. Cheapside, and South Hanover St. Glasgow, Prod.—Infant's cap, embroidered on French cambric; infant's robe, and bassinette cover, embroidered on fine nainsook.
- 83 SMITH, ANDERSON, & Co. 45 Cheapside.—Scotch embroidery.
- 83 LAMBERT, BROWN, & PATRICK, 236 Regent St. Mann.—Epaulettes and laces. Embroidered waistcoats. Masonic regalia. Church decorations. Fac-simile of Bible used by King Charles I.
- 84 JACKSON, C. 10 Curzon St. Mayfair.—An occasional table, mounted with *appliqué* embroidery.
- 85 HARRISON, T. 31 Brownlow St. Bedford Row, Des. and Mann.—Altar cloth and cushions, of crimson Genoa velvet, embroidered in gold.
- 86 STIRLING, MARY ANNE, 29 John St. Bulford Rd. Des. and Mann.—A fire-screen, worked in chenille, &c.
- 88 PURCELL, FRANCES, 3 New Burlington St. Prod.—A needle-worked table-cover.
- 90 STURDY, MARIA, 8 Wellington St. London Bridge, Des.—Table-cover, embroidered with the needle, without a pattern.
- 91 ADAMS, JANE, Strabane, Ireland, Mann.—Needlework scarf, apron, collar, and cuffs, made of linen yarn, in imitation of lace.
- 94 BARNARD, E. Little Bardfield Rectory, near Dunmow, Mann.—Two figures in Berlin wool work, for the purpose of holding open doors.
- 95 BARNES, R. Y. City Rd. Mann.—Specimens of decorative floor cloth.
- 96 BATTERS, MARTHA, 9 Rose Hill Ter. Brighton, Des.—Picture in tapestry.
- 97 BAYNE, E. AGNES, Cheahunt, Herts, near Waltham Cross, Inv.—Knitting designs.
- 102 BRIDGEMAN, ELIZABETH, 9 Judd St.—Landscape on silk, embroidered in a new style.
- 103 BLACKBURN, ANN MARIA, Beaumont Hill, Lincoln, Mann.—North-west view of Lincoln Cathedral, worked upon white silk, with the revings of black lustring, and manufacturer's silk.
- 104 BLACKWELL, ELIZA, 32 Winetavern St. Dublin, Mann.—White satin waistcoat, embroidered, in white chenille and silver. Parrot, on white satin, in coloured chenilles, &c.
- 105 BLOOMFIELD, SUSANNA, Poole, Dorset, Mann.—Needlework in Berlin wool: Raphael in the Vatican at Rome.
- 106 BOTTOM, J. 65 Brook St. Derby, Des. and Mann.—A hearth-rug, with the border and ends formed of upwards of 20,000 shreds of cloth, and the centre of lamb's wool.
- 108 BRIDGES, W. Ensham, near Oxford.—Tapestry wool-work; worked during leisure hours, and containing; five hundred thousand stitches.
- 110 BIRFORD & SON, Kildermminster, Mann.—Patent velvet tapestry. Super Wilton carpet. Registered designs. Patent Axminster velvet rugs.
- 111 BRIDGE, W. Asylum for the Blind, Glasgow.—Purses. Sofa and toilet cushions. Polka jacket. Fruit mats and doyleys. Babies' boots and carriage boots, wrought by the female inmates. Five-bushel sacks, first and second quality, made by the male inmates.
- 112 WILSON, CHARLOTTE, Guildhall, Broad Sanctuary, Westminster, Des.—Netted quilt or coverlid for summer use.
- 113 BROOKER, H. New St. St. Helier, Jersey, Prop.—Guernsey frock, of white worsted. Knitted drawers, of coarse grey worsted, undyed.
- 113 BRUCE, E. 2 Chester Pl. Kennington, Mann.—Specimen of embroidery, descriptive of English history.
- 114 BROWN, M'LAKE, & Co. Kilmarnock, Scotland, Mann.—Velvet-pile carpeting; imperial Threeply carpeting Kidderminster superfine carpeting.
- 115 BRIGHT, J. & Co. Carpet Print Works, Crag, near Maccolesfield.—Velvet pile and Brussels carpets; tapestries, furniture covers, &c., woven by Sevier's patent power loom, and afterwards printed by patent machinery.
- 117 BURTON, M. Libberton Bank, Edinburgh, Prop.—A shawl, table-cover, rug, &c., knitted on wires by an aged person. Picture frame, in imitation of old carved oak, composed of leather and putty.
- 118 BURTON, MATILDA SARAH, Osprings, near Feversham, Kent, Mann.—Italian girl, in fancy work. Berlin wool.
- 119 CALEY, J. W. & F. G. Windsor, Des.—Diaphane transparent silk for blinds, manufactured for the use of Her Majesty at Windsor Castle.
- 122 CARDWELL, C. & T. Northampton, Mann.—Pillow-lace; trimming for caps, collars, &c.
- 125 CAULFIELD, W. B. 54 Coal Harbour, Blackwall,

CLASS 19. *Tapestry, Carpets, Floor Cloths, Lace and Embroidery, &c.*

- Imp.—Knitted lace-work, by children at the school of Ballycastle Quay, north of Ireland.
- 126 CHAMBERS, ELIZABETH REBECCA, Wilton, Sq. Dublin, Des.—Carpet worked for the benefit of the Society for Promoting the Scriptural Education of the Native Irish.
- 128 CHAPMAN, ELIZABETH ANNIE, Gt. Bowden, Maker Harborough.—Tapestry copied from a painting by Leonardo da Vinci: The Last Supper.
- 129 CLARKE, ELIZA, Hackford, by Reepham, Norwich, Prod.—Collars in imitation of Marguerite Guipure lac., Brussels point lace, and ivory Guipure lace.
- 130 CLARKE, ESTHER, 18a Margaret St., Cavendish Sq. Mann. and Des.—Flounce of Honiton lace.
- 132 COLE & SOX, 18 Newgate St. Prop.—Brussels, Venetian, and Kidderminster carpeting.
- 134 CONSTABLE, HANNAH, Clonmel, Ireland, Des.—Infant's crochet dress, made of white thread.
- 135 COOK, W. Causeway, Chippenham, Des. and Mann.—Table-cover, made with about 30,000 pieces of broad cloth.
- 136 COPLAND, FANNY, 15, Charlotte St. Liverpool, Inv.—Soft pillow, crocheted in imitation of tapestry.
- 138 JONES, L. V. 33 King William St. London Bridge, Prod.—An embroidered map of the United Kingdom: executed by a girl of 14. Framed in English pollard oak.
- 139 COVERLY, CLARISSA, Munster, near Queensborough, Prop.—Carpet of thirty squares, bordered, worked in Berlin wool, by the exhibitor and her friends.
- 140 CRICK, ELLEN, Soham, Cambridgeshire, Des. and Maker.—A veil worked by the needle, in imitation of Honiton lace, and in the hope that it may be the means of giving employment to many poor needle-women.
- 141 CROSS, MARY, Paul St. Bristol, Des.—Crochet counterpane.
- 142 CROSSLEY & SONS, Halifax.—Large pattern mosaic tapestry. Patent mosaic carpet and table-covers. Patent mosaic rug. Patent velvet carpets. Patent tapestry carpet. Kidderminster, Dutch, and other carpets.
- 143 CUNNINGHAM, W. 13a Elizabeth St. Walworth, Des.—Design for a carpet.
- 144 CUNLIFFE, SARAH ANN, Saffron Walden, Inv.—An infant's knitted robe, consisting of 1,464,859 stitches, and 6,300 yards of cotton.
- 146 DARR, R. 12 Bedford St. Covent Garden.—Laces, for the lining of carriages; and decoration of apartments.
- 148 DAVIDSON, Lieut., Bombay Artillery, Haddington, Imp.—Embroidery from Hyderabad, for table-cloths, shawls, cushions, &c.
- 149 DAWSON, DEBORAH, Newtownberry, Ireland, Prop.—Cuffs, hand-spun and knitted, from the wool of French poodle dogs.
- 151 DICK, A. 35 George St. Edinburgh, Mann.—Fur hearth-rug, worked with upwards of 2,500 pieces of martin, sable, rabbit ermine, squirrel, kolinaky, &c.
- 152 DILL, BETTY, Charlotte St. Portland Pl.—Embroidery, in imitation of engraving. Embroidery in silk and gold on velvet. Embroidery in silk, chenille, and gold.
- 153 DILLON, Viscount C. H. Prop.—Specimens of knitting from several schools on the Loughglyn estate; and of frize and flannel manufactured and worn in the country.
- 155 DOVE, C. W. & Co. Leeds, Mann.—Velvet pile Brussels, Kidderminster, and Threeply carpets. Designs registered.
- 157 DOWNING, G. & J. H. Kings Rd. Chelsea.—Specimen of floorcloth.
- 159 ELLIS, SOPHIE A. Kildemec Rectory, Ardee, Louth, Ireland, Des.—Specimens of tatting or frivolité, for ladies' wear.
- 160 EUSTACE, R. & J. 10 Weaver's Sq. Dublin, Mann.—Turkey rug; tufted hearth-rugs, girth, roller, and suspender web. Specimens of linen mill band.
- 161 EVANS, S. A. 18 Charles St. Middlesex Hospital, Des. and Mann.—The Death of Douglas, after C. Landseer, in embroidery.
- 162 EVENDEN, ELIZA ANNE, 31 High St. Margate, Mann.—Berlin wool work; Mary Queen of Scots, mourning over the dying Douglas.
- 164 FLOWER, ANN, 25 Duke St. Grosvenor Sq. Des. and Mann.—Picture, "Flags of All Nations," worked in cross-stitch in silk, chenille, beads, and wool.
- 165 FAUDEL & PHILLIPS, 38, 39, and 40 Newgate St. Des. and Mann.—State bed, in needlework; the bedstead of carved wood, richly gilt. Patterns for needlework and crochet. Worsted yarns, silks, &c.
- 168 FORTUNE, ELIZA, 101 St. George's Rd. Southwark.—Hearth rug, knitted by hand.
- 169 FRANKLIN, J. D. 14 Lower Ormond Quay, Dublin.—Printed floor-cloths 16 yards by 6, woven in one piece, without a seam, carpet pattern.
- 170 FRENCH, ELIZABETH, Marlow, Bucks, Des. and Mann.—Lace collar, cuff, lappets, and neck-tie, made entirely by hand on the pillow.
- 171 FUSSELL, F. R. Nottingham, Des.—Two pictures illustrative of the Nottingham lace manufacture.
- 174 GARDNER, M. A. 22 St. Leonard St. Finsbury Mann.—Berlin wool-work by the exhibitor, who is blind.
- 175 GEORGE, C. 38 Oxford St. Prop.—Velvet pile carpeting.
- 176 GILBERT, J. 7 Charlotte St. Old Kent Rd. Des.—Design for Axminster centre carpet.
- 178 GREAVE, MARY, Limerick, Ireland, Inv. and Mann.—Articles of Limerick lace manufacture, by hand.
- 180 GREEKE, R. Lichfield, Des.—Folding dining-room screen, worked in tent-stitch, by Marianna Becket, a nun of the convent of Meroy, Birr, Ireland.
- 181 GREENWOOD, ANNE CHRISTIANA, Brookwood Park, Alresford, Inv.—Panels for the walls of a room, painted with birds and flowers in the style of India paper.
- 182 HARRIS, G. & Co. Stourport, Mann.—Brussels velvet pile carpets.
- 183 GREGORY, THOMSON, & Co. Kilmarnock, Scotland, Mann.—Specimens of royal Wilton, Brussels, and imperial carpeting.
- 188 HANSON, C. Fetter Lane, Des.—Design for an Axminster hearth rug, in the Italian style.
- 190 HARE, J. & Co. Bristol, Des. and Mann.—Floor cloth. Marble mosaic and oak and wood centres, &c.
- 191 HARNSWORTH, MARTHA, Twickenham, Embroiderer. Tapestry: The Last Supper, worked in French floss silk.
- 192 HARRIS, BROTHERS, 87 Watling St. Mann.—Embroidered satin aprons and handkerchiefs, cambric founcings and insertions, all needlework.
- 194 HARRISON, J. Halifax, Yorkshire, Mann.—White rug, all wool, used for bed-sides, door-mats, carriages, &c.; may be washed and dyed any colour.
- 195 HARTREE, E. & G. 11 Edgware Rd. Des. and Mann.—Needlework, on a new silk canvas.
- 196 HARVEY & KNIGHT, Upper Marsh, Lambeth, Mann.—Floor cloth, pattern copied from a Roman tessellated pavement.
- 197 HARVEY, J. K. 25 Ely Pl. Holborn, Des.—Designs for printed fabrics and for carpets.
- 198 HATTEY, F. S. Hull, Des. and Mann.—Carpet; needlework in Berlin wool.
- 199 HELBROWNER, R. 261 Regent St. Des. and Mann.—New style of needlework, new canvas for embroidery, patent elastic draught, excluder, &c.
- 200 HENDERSON & Co. Durham, Mann.—Wilton or pile carpet. Brussels carpet. Wilton or pile stair carpet. Super-fine ingrain carpet. Damask Venetian carpet. Venetian stair carpet.

CLASS 19. *Tapestry, Carpets, Floor Cloths, Laces and Embroidery, &c.*

- 201 HENDERSON & WIDNELL, Lasswade, Manu.—Portière, or door curtain of fine velvet, Whytock's patent, probably the largest piece ever manufactured on this principle. Rich patent velvet carpets and rugs.
- 202 HILL, B. Olney, Buckinghamshire, Manu.—Specimens of pillow-lace edging and insertion. Pillow lace, suitable for caps, dresses, and flouncing.
- 204 HILL & Co. Worcester and Gt. Malvern, Inv.—Needlework for ottomans, hanging for walls, table covers, &c. original in style and execution, not being copied from Berlin or coloured patterns, by the sisters E., P., S., and O. Rogers, of the above firm.
- 205 HINDHEAD, Mrs. MARY, Newcastle-upon-Tyne, Prod.—Pictures: Tapestry work pictures.
- 207 HOLLOWAY, FRANK, Grove Buildings, Dorchester, Des.—Quilt knitted by hand, in one piece, with cotton.
- 208 HOLMES, J. Kidderminster, Manu.—Carpets, commonly called velvet.
- 209 HOPZ, G. C. 17 Robertson St. Hastings, Des.—Hassocks of common rush for the church or closet; needlework, &c. Registered.
- 210 HUMPHRIES, T. Vicar St. Kidderminster, Manu.—Super-velvet pile, and Brussels carpeting. Patent registered.
- 211 HURST, G. High St. Bedford, Des. and Inv.—Pillow-lace, with glass introduced into the figure. Model of a partition, to rise from, and sink into the floor.
- 212 LADIES' INDUSTRIAL SOCIETY, 76 Grafton St. Dublin.—Limerick lace: shawls, handkerchiefs, and cazeares. Spanish point; old point, &c.; and embroidery. Horse-hair ornaments. Linens. Knitting. Hand-spun flannel. Appliqué: scarfs, caps, veils, &c.
- 215 JAMES, H. 7 Ferdinand Ter. Pancras Vale, Inv. and Des.—Enamelled floorcloth. Window-glass, ornamented by machinery, &c.
- 217 JOHNSON, MARIA, Hull, Des.—Patchwork quilt in 13,500 pieces of silk, satin, and velvet, with white embroidered flowers.
- 218 JOHNSTONE, J. 102 Graham St. Airdrie, Scotland, Inv.—Table cover, consisting of 2,000 pieces of cloth, the sole work of the exhibitor, and has occupied his leisure hours for 18 years.
- 219 JONES, MARY, Abbey St. Chester.—Bible cushion, in fancy work, from a plan of the mosaic pavement in Canterbury cathedral, formerly composed of precious stones, gold, and jet.
- 221 KEDDLE, J. S. Sheerness, Prop.—Armorial bearings of the exhibitor, worked by himself in Berlin wool and silk.
- 222 KETTLEWELL, MARY, Clonmel, Ireland, Prop.—Trimming lace, and lace borders. Large knitted lace collar, and fine lace lappet. Small thread lace scarf, &c.
- 224 KING, Miss, 3 Bloomsbury Pl. Bloomsbury Sq. Des. and Manu.—Medieval embroidery.
- 225 KINGSBURY, LOUISA, East St. Taunton, Somerset, Des. Inv. and Manu.—Basket of flowers, knitted in Berlin wool, from nature.
- 226 KITZLEY, J. Kidderminster, Manu.—Brussels velvet pile carpet; design adapted for the new palace at Westminster, &c.
- 227 KNOX, A. L. Glasgow, Manu.—Nine pieces of shaw rearing gowns, wrought by the Jacquard loom, from one design, forming the nine different patts.
- 229 LAMBERT, ELIZABETH, Tunbridge, Des.—Embroidery, portrait of Her Majesty. A group of flowers, with vase.
- 230 LANCHENICK, JANE A. 5 Brompton Row, Brompton, Des. and Manu.—Table cover, embroidered in gold-coloured silk.
- 232 LAFWORTH, A.—Axminster and patent carpets. Velvet pile and tapestry velvet carpets.
- 233 LIMEUSE, CHARLOTTE, Delgany, Ireland.—Models in elder pith.
- 234 LA TOUCHER, DROGHS, Miss, Killmaule, Ireland, Inv.—Lace founce, worked by the poor girls of Killmaule.
- 236 LESTER, T. Bedford, Manu.—Specimen of Bedfordshire pillow-lace. Improved lace fall-piece. White and black trimming lace; flouncing lace, &c.
- 239 LEWIS, ELIZA, Winborne Minster, Dorsetshire, Maker.—Piece of tapestry, consisting of 24 figures, and 438,000 stitches.
- 240 LOCKWOOD, GEORGINA, 31 Great Titchfield St. Oxford St. Manu.—A child's fancy crochet frock.
- 242 MACDONALD, MARGARETTA, 105 South Portland St. Glasgow, Manu.—Fancy needlework, in Berlin wool and silk, Haddon Hall in the Olden Time, by F. Taylor.
- 243 McFARLANE BROTHERS, Glasgow, Manu.—Chenille hearth rugs of various sizes and patterns; and chenille carpeting.
- 244 MALLALLEN, W. Agent of the Moravian Establishments at Fulneck, near Leeds, and Oakbrook, near Derby.—Handkerchiefs of Moravian embroidered needlework, from Fulneck and Oakbrook.
- 246 M'CAHILL, H. 97 Gt. Charles St. Birmingham, Manu.—Ancient design of funeral pall. Design from Mr. Pugin's "Glossary of Ecclesiastical Ornament and Costume."
- 248 MACLEAN, JANE, Tyrone Rectory, Tyrone, Co. Armagh, Ireland, Prop.—Imitation gulpure lace founce, worked by the children of Tynan Glebe school.
- 249 MEEK, G. 3 Crane Ct. Fleet St. Manu.—Ornamental perforated papers.
- 250 MELTON, ELIZA, 8 Peacock Ter. Walworth Rd. Manu.—Embroidery: The Last Supper, after Leonardo da Vinci.
- 251 MONKHOUSE & SON, Bernard Castle, and 75 Wood St. Cheapside, London, Manu.—Carpets, Kidderminster fabric, cumber and point styles. Dutch fabric carpets, and Dutch fabric; warp made from silk noils.
- 252 MORTON & SON, Kidderminster, Manu.—Specimens of velvet pile carpets. Saxony and Brussels carpets.
- 253 NAIRN, M. Kirkcaldy, Scotland, Des. and Manu.—Floor-cloth, used for halls, lobbies, &c.
- 254 NAYLOR, D. Manchester, Prod.—Patent Kidderminster carpet, woven by steam-power loom.
- 257 NEWCOMB & JONES, Kidderminster, and 19 Skinner St. London, Manu.—Model carpet of superior velvet pile. Velvet pile carpet. Best Brussels. New material for ladies' dresses.
- 258 NEWTON, JONES, and WILLIS, Temple Row, Birmingham.—Episcopal robes, &c. embroidered in silk and gold. Satin damask hanging, &c. Velvet-pile carpets, for churches, &c.
- 259 OLVER, LYDIA, Liskeard, Manu.—Embroidered collar stomacher, and sleeves, for a lady: the exhibitor born without a right arm.
- 261 PADWICK, ANNE, Westbourne, Emsworth, Des. and Manu.—A crotchet table-cover in Berlin wool.
- 262 PALMER, HELEN, Dunsce.—Panel for a pole-screen. Lady's dress. Cushion for a chair, embroidered in coloured silks upon a white satin.
- 263 PARDON, HOOMANS, & PARDON, Kidderminster, Manu.—Whytock's patent tapestry carpeting; the colours printed on the worsted before it is woven. Patent Berlin rugs.
- 266 PRABER, CLARA, Broad St. Bath, Des.—Crochet quilt.
- 268 PERRY, R. Rev. 26 Portland Pl. Leamington.—

CLASS 19. *Tapestry, Carpets, Floor Cloths, Lace and Embroidery, &c.*

- Scarf composed of British silk, being the produce of 2,000 silk worms, which were kept in an out-house at Goodrich, in Herefordshire. The silk was wound, spun, and made into the scarf by Mrs. Perry and her daughter. The silk is in its natural or raw state, never having been in the hands of a manufacturer.
- 371 PHILLIPS, EMILY, 166 Bermondsey St. Southwark — Le Vendredi: a Catholic family eating meat on Friday.
- 372 PHILLIPS, REBECCA, Swanbourne, Winslow, Mann. — Ornamental linen-thread pillow-lace.
- 373 PICKTHORN, ESTHER, George St. Hockley, near Birmingham, Mann. — Hearth-rug, raised in needle work.
- 375 READ & HUMPHREYS, 21 Glare St. Bristol, Mann. — Folding screen on canvas, worked in cross and tent stitches.
- 376 REEDON, J. 194 High St. Exeter, Prop. — Fancy silk and velvet quilt.
- 380 RODGERS & SOX, Islington, near Birmingham, Mann. — Purses, embroidered in the weaving.
- 381 ROLLS & SOX, Lower Kennington Lane, Mann. — Piece of floor-cloth.
- 382 ROLFE, J. Coggeshall, Essex, Mann. — A dress in imitation of Brussels point lace in tambour-work, &c.
- 383 ROOMER, ANN EMPRINGHAM, Beaumont Hill, Lincoln, Des. and Mann. — South-west view of York Cathedral, worked upon white silk, with the roivings of black lustring and manufacturer's silk.
- 384 ROYAL VICTORIA ASYLUM for the BLIND, Newcastle-upon-Tyne. — Shawl-veil, knitted in imitation of lace. Baskets, &c. made by the blind inmates of the asylum.
- 385 ROWELL, SARAH ANN, Bromsgrove, near Worcester, Mann. — Berlin wool work.
- 387 SAXTON, A. Nottingham, Mann. — Ladies' mitts, cuffs, and gloves, embroidered and made of silk; neck-ties and silk shawls; toilet and tray-covers, Jacquard.
- 389 SHAKELL, MARIA, FANNY, & Edw. Belle Vue Cottage, Shirley, near Southampton. — Needlework: Scripture subject, mounted in a frame, designed and executed by E. Shakell.
- 393 SHEDDEN, H. 88 Stanhope St. Liverpool, Mann. — Royal standard of England, made of bunting, the devices embroidered on the whole cloth of Berlin wool.
- 394 SHERIDAN, P. 22 and 23 Parliament St. Dublin, Mann. — Brussels and Kidderminster carpeting, manufactured at 23 Pimlico, Dublin. Hearth rugs.
- 398 SHIRER, A. Cheltenham, Des. — Cut-pile Brussels carpet: manufactured by Brinton and Sons, Kidderminster.
- 397 SMOKE, ANNE JANE, Wem, near Shrewsbury, Des. and Mann. — Crochet needlework silk shawl.
- 399 SIBTHORPE, FANNY LOUISA, Limerick, Ireland. — Berlin wool, Haddon Hall in the days of yore; The Morning of the Chase.
- 301 SM. C. J. High St. Bedford, Mann. — Bedfordshire pillow-lace.
- 302 SIMCOX, G. P. Kidderminster, Inv. and Mann. — Two large finger worsted rugs. Velvet carpet, made for the marriage of the late Princess Charlotte.
- 303 SIMPSON, W. B. 456 West Strand, Des. and Mann. — Paper-hanging decorations, in distemper colours, washable.
- 304 SMITH, Mrs. R. Bolvendon, Staplehurst, Kent, Mann. — Group in wool, Her Majesty, the Princess Royal, and the Prince of Wales.
- 305 SMITH & WHITE, 16 Montrose St. Glasgow, and 5 Broad St. London. — British cashmere robe, embroidered; manufactured in Glasgow. Gentleman's dressing-gown, &c. embroidered on violet-coloured cloth; J. Smith, designer.
- 307 STOKES, S. Kevin St. Police Barrack, Dublin, Inv. — Table cover of mosaic cloth-work, composed of pieces of cloth fine-drawn together.
- 308 SUTTON, ELIZA, Maidstone, Des. and Mann. — A fine white crochet bed-quilt, finished with a wide lace, and lined with pink cambric.
- 309 SUTHERLAND, JANET, Falkirk, Scotland, Des. and Mann. — Drawing-room table cover, embroidered in a new style, and without the aid of drawings or patterns.
- 310 TAIN, M. L. A. 8 Nelson St. Morningside Ct. Camden Town, Des. and Inv. — Berlin wool needlework. Cart-ridge pouches for sportsmen. Lamps, lamp-glasses, &c.
- 312 TAYLER, ANN MARIA, Middle Chimcock, Prop. — Historical piece of needlework in wool.
- 314 TETLEY, Mrs. Bolton Pl. Bridge St. Bradford, Mann. — Bed quilt, embroidered with cotton on satteen ground. Cot quilt, embroidered with white floss silk on blue satin.
- 315 TEMPLETON, J. & Co. Glasgow, Mann. and Pat. — Patent Axminster carpets; hearth-rugs; stair carpeting; Tourney table-covers; and door or window curtains, &c.
- 317 THWAITES, MARY, 4 Quadrant Rd. Lower Islington, Prop. — Knitted, embroidered, and lace work, manufactured by the poor children of Newry, &c.
- 318 TURKIVILLE, SMITH, BOYLE, & Co. 9 Gt. Marlborough St. Prod. — Axminster carpet. Velvet pile tapestry carpet. Brussels carpet.
- 320 TROLLOPE, ROSE, 6 Allen Ter. Kensington. — Folding screen of tapestry work.
- 322 TURNER, AGNEZ, Sutton Rectory, Dartford, Mann. — Knitted lace scarf.
- 323 UPHILL, MARY ANN, Fonthill Bishop, Salisbury, Des. and Mann. — Toilet cushion, twist, a lace scarf, and a bassinette lace cradle-cover, composed of thread and fine gold.
- 325 LAWSON, J. 4 Sidmouth St. Gray's Inn Rd. Des. — Axminster hearth-rug, manu. by Blackmore, Brothers, Wilton. Designs for carpets, &c.
- 325 VICCARS, R. Padbury, Buckingham, Mann. — Lace. Crowns for infants' caps. Insertion. Laces for bordering caps, &c.
- 327 THE VICTORIA FELT CARPET CO. 8 Love Lane, Wood St. Mann. — Patent felt carpeting. Printed and embossed table-covers, window curtains, &c.
- 328 VINCENT, S. Olney, Bucks, Mann. — Buckinghamshire pillow-lace, veils, lace collars, and lace.
- 384 WARD, ANNE, Coleraine, Ireland, Des. and Maker. — Specimens of needlework, in imitation of line engraving, and the material employed, with cotton and silk thread, on linen and lustring.
- 335 WASHBOURN, ANN, Great Maldon, Bucks, Mann. — Muslin dresses, embroidered.
- 336 WATERHOUSE, EMMA & MARIA, A. Claremont Cottage, Loughborough Rd. Brixton, Makers. — Crochet counterpane, 12 feet square, worked in Strutt's cotton. The patterns designed by Wilks, Regent Street.
- 337 WATSON, BELZ, & Co. 35 and 36 Old Bond St. Mann. and Imp. — Axminster carpets, manufactured by Blackmore, Brothers, and velvet-bordered Brussels carpet, manufactured by Watson and Co. Kidderminster. Carpets, manufactured in Masulipatam. Real Turkey carpets.
- 339 WAUGH & SON, 3 & 4 Goudge St. Des. — Royal velvet pile carpet. Design for a carpet for a Royal palace.
- 341 WELLS, W. B. Windmill Lane, Camberwell, Mann. — Registered floor-cloth, an imitation of Berlin wool work.
- 343 WHITE, SON, & Co. 108 Cheapside, Prop. — Carpets. Printed cloth table-covers. Silk worsted damasks.
- 345 WHITWELL, J. & Co. Kendal, Des. and Mann. — Kidderminster carpeting. Trivelled Venetian carpet, woven in a power-loom. Improved Brussels carpet. Berlin hearth-rug, new design and material.
- 347 WHITNEY, E. Cleveland Pl. Bath, Des. — Embroidered lady's apron. Coat of arms in needlework.

CLASS 20. *Articles of Clothing, for Immediate, Personal, or Domestic use.*

349 WILLIAMS, LADY GRIFFIN, Marlborough.—The Last Supper, from the painting by Leonardo da Vinci, worked in German wool and floss silk.

350 WILSON, ANNE, Downpatrick, Ireland, Manu.—Fancy work in wool, in which new stitches, invented by the

351 WILSON, J. & W. Bannockburn, Stirling, Scotland, Manu.—Brussels, Scotch, and Venetian stair carpeting.

352 WOOD, H. and T. 23 Watling St. Prop.—Printed and embossed cloth table-covers, &c. Brussels carpet.

354 WOODWARD, B. Higgins, Kidderminster, Manu.—Brussels and velvet pile carpeting, in various new styles.

355 WOODWARD, H. & Co. Church St. Kidderminster, Manu.—Carpets: Velvet pile; Brussels pile, and velvet pile for stairs and corridors. Registered designs.

356 WOOLLOCK, CATHERINE, 13 New Quebec St. Portman Sq. Manu.—Banner screen, crocheted with silk, in colours.

357 WRATHSLAW, MATILDA EMILY, Rugby, Warwickshire, Des. and Manu.—Cap, worked in crochet in imitation of point lace.

358 WRIGHT, CRUMP, & CRANE, Kidderminster, Manu.—Velvet pile, bordered. Brussels carpets, and stair carpets.

359 BLOWER, W. Nottingham, Des.—Designs for black silk lace lappets and flouncings. To be made on Pusher machines.

360 BOLTON, C. H. Nottingham, Des.—Designs: black silk lace falls. To be made on Pusher machines.

361 FOX, J. Basford, near Nottingham, Des.—Designs: black silk lace falls. To be made on Pusher machines.

362 MAYCOCK, G. Bromley Pl. Nottingham, Des.—Designs for mediæval embroidery, jewellery, and encaustic tiles.

363 MEAKIN, G. Hyson Green, near Nottingham, Des.—Designs for single-tier machine: lace dresses.

364 MILFORD, J. Nottingham, Des.—Designs for black silk lace scarf. To be made on Pusher machine.

365 NAYLOR, J. Nottingham, Des.—Designs for lace shawl and curtain, single-tier; miscellaneous designs for lace.

366 OSBORNE, S. Nottingham, Des.—Designs for lace shawls and lace dresses. To be made on single-tier machine.

367 WILKIN, W. Radford, near Nottingham, Des.—Designs for black silk lace shawl, apron, and dress. To be made on Pusher machine.

368 YATES, H. Nottingham, Des.—Design for chromolithograph almanac.

369 FELKIN, R. Beeston, Nottingham, Manu.—Specimens of the various meshes of lace, wrought upon the machinery of Nottingham and its vicinity.

370 TURTON, S. Prospect Pl. Radford, n. Nottingham, Des.—Designs for lace-curtains to be made on single-tier lace, &c.

371 SMITH & BAKER, Knightsbridge, Inv. Des. and Manu.—Floor cloth, in imitation of tessellated Roman pavements discovered in England.

372 BERNARD, Hon. JANE G. Cork, Killrogan, Bandon, Ireland.—Knitted quilt for a baby's crib. Exhibited on behalf of the workers, the children of Killrogan parochial school.

373 PRIOR, Rev. H. E. Lucan, Dublin—Specimens of Irish lace, the work of the Lucan Industrial School.

374 WEST, C. MARY, 1 Brougham Ter. Kingstown, Dublin, Des. and Manu.—Scarf of black lace, embroidered in a new style, in Deccan silk, interspersed with wings of the Indian beetle, &c.

375 BATES, JEMIMA, Gt. Dover St. Surrey, Des.—Specimens of needlework upon machine net.

376 UNDERWOOD, W. 1 Vere St. Oxford St. Manu.—Heraldic tapestry hangings, &c. Tapestry hangings, of

worsted and silk combined. Printed cloth table cover, commemorative of the Great Exhibition.

377 DALRYMPLE, MARY E. 5 Wilton St. Grosvenor Pl. Inv. and Prod.—Table-cover of fawn-coloured cloth, embroidered with chenille.

378 FANCOUST, CATHERINE, Grimsthorpe, near Bourne, Des. and Manu.—Fancy bed-quilt.

379 LADY MAYORSS (1850), and 150 LADIES of GREAT BRITAIN, the executants.—Part of the pattern for a carpet, presented to and exhibited by Her Majesty the Queen; design by J. W. Papworth; the patterns painted by and the work superintended by W. B. Simpson, West Strand.

380 STOKES, S. 4 Bartholomew Close, Des. and Inv.—Battle of Grand Cairo, in needlework, ten feet by forty.

381 GROSS, J. B. 4 Wells St. Gray's Inn Bd. Des.—Design for an Axminster centre carpet, in the Italian style.

382 BRATHWAITE, J. 118 Church St. Lancaster.—Counterpane of mosaic needlework, in forty-four compartments, each representing a popular print.

383 ROSE, ELIZABETH, Oxford, Des.—Cheval screen, in needlework, convertible into a chess-table, with a worked top.

384 KIDDLE, J. Norwich, Inv.—Woven cushion, completed in the loom without the aid of needlework; figured on both sides.

385 OATLEY, ELIZA, Devizes, Manu.—Woolwork and ancy needlework, in tent-stitch.

386 GILL, W. L. Colyton, Axminster, Manu.—Horniton lace.—Portion of an original design for the founce made for Her Majesty. Chromatic silk berthé, silk lappet, &c.

387 CHURCHES, ANN, Swanage, Dorset.—Fancy-work made by hand, at Swanage.

388 AYERS, W. Newport Pagnell, Bucks.—Specimens of Buckinghamshire pillow lace pieces.

389 BARCLAY, HELEN, Tongue, by Golepie, near Aberdeen, Des. and Manu.—Specimens of carpet, all of Sutherland wool. Knitted bed-curtains. Counterpane and toilet-cover, of knitted cotton thread, &c. Knitted shawl and cravat, Sutherland wool. Samples of native dyes in wool, &c. Raw materials of native dyes. Mattress, made of drift sponge.

390 JACKSON & GRAHAM, 37 & 38 Oxford St.—London carpet. Carpets of moresque design. Velvet pile carpets. Patent tapestry velvet carpet and border. London rug, &c.

391 TAYLOR, MARY, 9 Union St. Plymouth, Manu. and Des.—Child's cloak, elaborately braided and embroidered, and interspersed with hollow work.

392 PENLEY, E. A. Grove House, St. Peter's, Margate, Des. and Manu.—Silk patch-work table cover, box pattern, containing upwards of 2,000 pieces and 500,000 stitches.

CLASS 20. *Articles of Clothing, for Immediate, Personal, or Domestic use.*

1 BUCKMASTER, W. & Co. 3 New Burlington St. Des.—Proposed new court suit, in detail. Chaco. New head-dress for infantry of the line. Undress military coat.

2 FOSTER & PORTER.—Hosiery, &c.

3 TAYLOR, W. G. 285 Regent St. Prop.—Balbriggan lace-stockings, lambs'-wool stockings, knitted by hand, and hosiery, knit by children at Ballindine.

4 PRATT & DOSSFOR, 12 and 13 Poultry, Inv.—Cotton and silk glove half-hose; cotton and woollen drawers. Railroad caps and protectors. Silk shirt fleeced, for rheumatism. Flannel. Silk and Egovia half-hose.

6 POPE & PLANT.

CLASS 20. *Articles of Clothing, for Immediate, Personal, or Domestic use.*

- 7 NEVILLE, Gresham St.
 9 RODGERS & SON, 39 and 40 Chiswell St. Finsbury, Mann.—Printed regatta, and other shirts; flannel vests; braces; money-purses; riding belts; garters, &c.
 10 PHILLIPOTT, MARY ANNE, 37 North Audley St. Prop.—Figure of a lady in full court dress.
 11 PATTERSON, J. 104 Wood St. Cheapside, Mann.—Fancy cravats. Black satin stock. Improved braces. Belts. Collars. Shirt-front, plaited in the loom.
 12 NEVILLE & CO. 11 Gresham St. West, Mann.—Frame-worked knitted hosiery and other wearing apparel.
 13 HEMMING, E. 6 Piccadilly, Des.—A model shirt, of fine Manchester long cloth and Irish linen.
 14 SMITH, J. E. 3 Lawrence Lane, Mann.—Shirt without seams or gathers. Moravian needlework, illustrating the growth of flax.
 15 PORTER, T. 94 Strand, Mann.—Specimen of a shirt out on mathematical principles.
 16 MARSHALL, W. 80 Regent St. Inv. and Mann.—Registered improved shape shirt.
 17 SANDLAND & CRAWF, 55 Quadrant, Regent St. Inv. and Mann.—Belt drawers and shirt exhibited on a statuette.
 18 WEATHERHEAD, H. 27 Pantom St. Haymarket, Mann.—Silk and India-rubber braces. Gros-de-Naples belt, with silk and India-rubber springs.
 19 CAFFEY & WATERS, 26 Regent St. St. James's, Inv. and Mann.—Twelve shirts, in different form. Carlisle jacket. Dressing gown, with trousers, à la Turque.
 20 FORD, R. 185 Strand, Mann.—Shirt, intended as a specimen of plain British needlework, &c.
 21 GLENNY, C. 33 Lombard St. City, Prop.—Cotton hosiery, manufactured at Balbriggan, in Ireland.
 22 BELL, J. & CO. 169 Regent St. Prod. and Des.—Shirt fronts. Shirts of an improved cut. Embroidered handkerchiefs and flannel waistcoats.
 23 ATLOFF, J. G. 69 New Bond St. Inv.—Ladies' shoes of various materials; silk slippers, embroidered in gold; ladies' silk boots, and ladies' half boots.
 24 NICOLL, B. 42 Regent Circus, and 46 Lombard St. Mann.—Shirt of a new material, in silk. Shirt of Irish linen. Hunting shirt.
 25 ROBERTS, G. 183 Oxford St. Mann.—Corset made upon an expanding principle; corset, requiring no lacing, &c. measurement of the human body.
 26 JOUBERT, C. 8 Maddox St. Hanover Sq.—Self-adjusting white watered corset. Elastic corset belt for invalids. India-rubber tissue, of French manufacture.
 27 PIPER, T. F. 4 Bishopsgate St. Without, Inv. and Mann.—Mechanical spring-corset, scapular or contractor.
 28 SYKES, MARY E. 280 Regent St. Inv. and Mann.—Elastic corset, with new mode of fastening.
 29 DEVI, ELIZA, 73 Grosvenor St. Inv. and Mann.—New registered riding stays. Nursing stays. Dress stays, &c.
 30 WILLNER, HELENE, Prop.—Lady's fancy jacket, made of wool or cotton.
 31 MARTIN, E. & E. H. 50½ Oxford St. Des.—Elastic bodices, composed of vulcanized India-rubber and other materials. India-rubber belts.
 32 GRAY, N. 61 St. James's St. Inv. and Mann.—Improved and elastic corsets, belts, spinal-supporting corset, perforated gossamer corset, hydropathic belt, &c.
 33 GRAY, N. 61 St. James's St. Inv. and Mann.—Improved jack boots and regimental gloves.
 34 JOHNSON & CO. 113 Regent St. Pat.—Patent ventilating hats. Military and naval cocked hats. Full-dress court hats. Her Majesty's royal state livery hats. Ladies' riding hats, &c.
 35 CHERRY & SON, Gracechurch St.—Hats, &c.
 36 DANDO, SONS, & CO. 42, 43, 44 Cheapside, Mann.—

- Specimens of a new description of patent light, net-work velvet hats, in various stages of manufacture.
 37 GARRARD, R. & J. Loman St. Southwark.—Japanned leather peaks for caps. Registered japanned felt hat. Fireman's japanned leather helmet, &c.
 38 ZOX, L. 84 Long Acre, Mann.—Registered Korymbamyd, or helmet cap. Patent aquatic naval life-cap. Folding college cap, &c.
 39 FULX & CO. 10 Cheapside.—Hats of a peculiar construction, designed to render them elastic, waterproof, and ventilating.
 39 WHITE, W. 68 Cheapside, Mann.—Ventilating velvet- nap and zephyr hats.
 41 MELTON, H. 194 Regent St. Mann.—Hats made of English plush, by Walters and Eon, Finsbury.
 42 ASBROW & SONS, 55 Cornwall Rd. Mann. and Inv.—Drab and black patent elastic beaver hat, on beaver body. Light elastic velvet hat; French plush, &c.
 43 SMITH, GEORGE, & CO. Union Hall, Union St. Borough, Inv. and Mann.—Light silk hat; silk hat on soft felt body; ladies' riding hat; a gossamer body japanned.
 40 DIERICH, F. A. 2 Bennett St. Blackfriars Rd. Inv. and Mann.—Patent elastic hat lining. Newly-invented silk hat; military cocked hat; court hat, and ladies' riding hat, on horsehair body.
 45 TYLER, J. T. 7 Mount St. Grosvenor Sq. Inv.—Patent folding hat, without springs. Soft velvet folding hat. Minerva hunting cap.
 46 BARBER, S. Brentford, Inv. and Mann.—French silk hat, the body being made of Manilla grass, combining lightness, durability, and perfect ventilation, being waterproof, and resisting the grease.
 47 STANBURN & BAUGH, Gresham St. Mann.—Illustrations of the processes of felting beaver and silk hats.
 48 GROUVEAN, F. 109 Regent St. Inv.—Invention for producing a red stripe on regimental trousers. Safety pockets, &c.
 49 HURLEY, D. 10 Hare Ct. Aldersgate St. Inv. and Mann.—Lady's safety pocket. Model of a pair of trousers, with improvements, &c.
 50 THOMPSON & SON, 11 Conduit St. Des.—Jackets, hunting coat, trousers, waistcoats, and ladies' polka, of elastic British webbing.
 51 PRICE, W. 115 Chancery Lane, Des. and Mann.—Flexible spring gowns: law, clerical, and civic.
 53 CUTLER, W. 25 St. James's St. Inv.—The "duplex," or morning and evening coat.
 54 CODY, J. 6 Marshall St. Inv.—The "monomero-kiton," a dress coat of British manufacture, from one piece of cloth.
 55 KNECH, S. A. 250 Regent St. Inv.—Registered automatic gown, and Cosack waistcoat.
 57 SMITH & GIBBS, Wellingborough, Northamptonshire, and 84 Cheapside, London, Inv. and Mann.—Cloth and leather gaiters, with patent fastenings, &c.
 59 THURBERG & GLENNY, 152 Strand, Mann.—India gauze waistcoats. Silk and thread, silk and lambs'-wool, and improved spun-silk hosiery. Spun-silk for under clothing. Gauze merino waistcoats. Hosiery, made from waste silk.
 60 BALL, W. Y. & CO. 32 Wood St. Cheapside, Mann.—Kid leather gloves, cut and made in England; manufactured from French-dressed kid skins.
 61 LART & SON, 116 Wood St. Inv. and Mann.—Ladies' Lisle thread hose and silk jacket, made in the stocking frame at Nottingham. Gentlemen's pantaloon drawers.
 62 FOWNES BROTHERS, 41 Cheapside, Mann.—Ladies' gloves, from kid skins, produced in Ireland and dressed in England. Gloves, from French-dressed kid skins. Silk, velvet, Lisle thread gloves. Beaver, Vicuna wool, and other gloves.

- 63 McDONNELL, D.
64 HOLMES, J. & Co. 171 Regent St. Inv. and Manu.—Full-dress or opera cloak, composed of the finest white wool, and ornamented with 1,200 gold pendants. Registered shawl cloak, woven in one piece. Registered circular shawl.
65 LENNOX, F. M. K. Lennox Castle, Lennox Town, Glasgow, and 9 Arlington St. Flocadilly, Prop.—The needle-woman's shirts, cut and worked by one pair of hands.
66 THURMAN, PROCTOR, & Co. Friar Lane, Nottingham, Manu. and Inv.—Thurman's patent silk hosiery.
67 MASON, R. & J. Nottingham, Manu.—Silk gloves, Lisle thread gloves. Patent Brayama gloves; a new material. Embroidered gloves.
68 FURLEY, J. Nottingham, Manu.—Merino vests, in wool and mixed materials.
69 CARVER, —, Nottingham.
70 HURR & SONS, Nottingham, Manu.—Various articles of hosiery.
71 MORLEY, J. and R. Nottingham, Manu.—Hosiery in silk and cotton.
72 MORLEY, I. & R. London and Nottingham.—Specimens of cotton and lisle thread stockings; Balbriggan stockings; silk stockings; silk gloves and socks; Derby-ribbed socks; lisle thread socks; half-hose; merino half-hose; spun silk shirts, &c.
73 ALLEN & SOLLY, Nottingham and London, Manu.—Samples of hosiery, showing the progress of cotton-spinning for hosiery from an early period.
74 NEWTON, F. B. Manchester, Inv.—Registered seamless coat, the body and sleeves being in one entire piece.
75 EVERLEIGH & SON, Manchester, Manu.—Various kinds of hats, in silk, felt, and cork.
76 SIDMONS & WOODMAN, Oldham, Manu.—Beaver hatting materials, from the skin to the hat complete. Black silk hats, and patent reflectors.
77 STANDISH, ANNE, Kidderminster, Lace-worker.—Court dress of needle-work.
78 CASICHER, J. D. Anstruther Villa, Boundary Rd. St. John's Wood, Inv.—Life-preserving elastic cork-jacket, capable of being worn unobserved under a coat.—Registered.
79 WATTS, W. Banbury, Inv.—Complete coat, trousers, and gaiters, in one piece, without any seam.
80 SMITH, CHARLOTTE, Bedford, Inv.—Patent symmetrical corsets; patent elastic silk boots, made by Mr. Longdon, of Derby.
81 TINSLEY, J. & Co. Leeds, Manu.—Improved woven corsets for ladies' wear, without a seam; made of fine cotton yarn expressly prepared.
82 GALLAWAY, T. 43 Albion St. Leeds, Manu.—Three woven corsets.
83 HALEY, W. Leeds, Inv. and Manu.—Protection travelling cap, adapted for cold climates.
84 MIDDLEBROOK, T. Leeds, Manu.—Military officer's cap and cover. Black silk velvet smoking or carriage cap.
85 MINNIE, C. Bristol, Inv. and Manu.—Registered boat sleeve shirt.
86 MOLLADY & SONS, Warwick, Manu.—Stuff and silk hats and bonnets. Raw materials, in the different stages of Manufacture. Cork hats, zephyr, and silk. Welsh lady's hat. Felt bonnet.
87 CARRINGTON, S. & T. Stockport, Manu.—Felt hats of various descriptions.
88 FRARSON, J. Gorse Brow, Stockport, Manu.—White beaver bonnet.
89 TAYLOR & Co. St. James St. Rochdale.
90 M'RAE, J. J. Newark, Notts, Des. and Inv.—A triple stay, for those parts of male attire requiring additional strength. Waistcoats of novel form and arrange-

ment, to supersede the use of braces: the fabric manufactured by Pease & Co. Clayton West, near Huddersfield.

- 91 SMITH, H. Halifax.
92 FOSTER, Mrs.
93 LAING, J. Hawick, Scotland.—Patterns of hosiery and under clothing knitted upon the stocking-frame, from Australian wools.
94 HADDEN & SONS, Aberdeen, Manu.—Knitting worsteds, spun from British wools. 1,000 colours, dyed on worsteds manufactured from British and Saxony wools. Knitted worsted shawl and hosiery.
95 WOOD, JAMES, Stonehaven, Scotland, Manu.—Pair of fancy knitted worsted gloves.
96 ROT, JESSE, Ferry Hill, Aberdeen, Inv.—A landscape, knitted in Berlin worsteds. A pair of stockings, with Cashmere pattern.
97 CATTANACK, B. Aberdeen, Inv.—Apparatus for measuring the human figure, and for transferring the measure to cloth.
98 PATTERSON, Dumfries.
99 KAY, TINDAL, & Co.
100 KAY, FINDLAY, & Co. Langholm and Glasgow, Manu.—Cheviot wool hose; Saxony wool; grey Shetland wool; and Vicuna wool-hose. Gauze vests, and full dresses, of Cheviot wool; pantaloons, of Cheviot and Saxony wool, &c.
101 WHITEHEAD & SON, 41 South Bridge St. Edinburgh, Manu.—Tartan hose, each pair containing 1,800 diamonds, &c.
102 JOHNSON, J. & G. Paisley, and 2 Chapter House Ct. St. Paul's, London.—Buckram and Paris net bonnet tops and crowns.
103 LADGROVE, J. Kilmarnock, Scotland, Manu.—Australian sheep wool. Officer's dress bonnet, showing the process of knitting. Bonnets of Australian wool, worn by the officers of the Highland regiments. Forage caps. Prince Charlie, Turkish, Balmoral, and Glenarry bonnets.
104 RITCHIE, P. Kilmarnock, Scotland, Manu.—Regulation military forage caps: Scarlet Fex cap; Prince Charlie caps; Balmoral and Glenarry caps; Caledonian hats, &c.
105 BRUCE & SONS, Leicester, Manu.—Worsted, lambs-wool, royal ribbed, and cashmere shirts and drawers, hose, &c. Guernsey and Jersey frock. Fancy polka-coats. Lisle thread, silk mixed, cashmere, &c. gloves, &c.
106 BRUCE, C. 5 Belvoir St. Leicester, Manu.—Lambs-wool shirts, pantaloons, drawers, vests, ladies' dresses, &c.
107 AINSWORTH BROTHERS, Leicester, Manu.—Lambs-wool hose, shirts, and pantaloons. Royal ribbed and Cashmere shirts and pantaloons. Ladies' woollen vests and dresses.
108 BULLSON & HAMES, Leicester, Manu.—Cotton, worsted, Cashmere, and merino hose.
109 BRIDLE, J. Leicester, Manu.—Gloves of hares'-fur cloth and Cashmere goats'-wool, cloth; Vicuna and Saxony. Gloves of Lisle-thread web. Travelling rug; Vicuna fleece.
110 TAYLOR & BRUCE, Leicester, Manu.—Worsted and woollen hose. Cotton stockings of all kinds.
111 HARRIS & SONS, Leicester, Manu.—Gloves, cuffs, and gaiters. Caps, hoods, hats, and bonnets. Mantillas and muffa. Worsted vests. Lambs-wool pantaloons. Fancy cotton shirts. Children's dresses. Polkas and jackets.
112 HOLLAND, T. & Co. Langham Factory, Godalming, Inv. and Manu.—Under clothing, manufactured of a fleecy, superior, and peculiarly prepared wool. Segovia shirts, trousers, hose, &c. Outer clothing, light and remarkably warm. Registered shirts.
113 THOMPSON, J. & Co. Kendal, Manu.—Hand-knit Guernsey frocks. Kilmarnock caps. Fancy Glenarry and plaid bonnets, mits, overalls, &c.
114 REDGRAVE, J. Worcester.—Men's Cape gloves. Ladies' white Cape gauntlets. Habits made from lambskins and Cape sheep.

CLASS 20. *Articles of Clothing for Immediate, Personal, or Domestic use.*

126 MONEY, ELIZABETH, Woodstock, Oxon, Mann.—Lamb-skin, as received from leather-dresser. Gloves made from lamb-skins. English fawn-skin riding-gloves for ladies.

127 EYER, T. Milborne Port, near Sherborne.—Fur Gloves. Gloves lined with silk plush, wool, &c. Kid gloves. Goat, calf, lamb, sheep, deer, and fawn gloves. Patent purse glove.

131 MUIR, CONWELL, & BRIDIE, Luton, Bedfordshire, Mann.—Specimens of plaits and bonnets, made from wheat straw grown in Bedfordshire. Specimens of the straw in all stages of the work, &c.

134 COOPER, J. J. & G. Dunstable, Beds, Mann.—Straw hats, bonnets, plait, and fancy straw articles.

135 BARFORD, F. Market Pl. St. Albans, Hertfordshire, Inv.—Brazilian palm-leaf Wellington hats: registered. The "Princess Alice hat," and the "Chinese hat." Hats from the English willow tree.

136 ASHTON, A. George St. Portman Sq.—Registered bonnet and case.

137 FIRMIN, —, Conduit St. Button Manufacturers.

140 CLEMES & SOX, St. Austell, Mann.—Underground hats for Cornish miners, &c., used for protection against falling stones, &c.

143 HURST & REYNOLDS, 100 New St. Birmingham, Mann.—Ladies' corset, to fasten, &c. without lacing.

144 WHITE, E. Edgar Buildings, Bath.—Bassinette, completely furnished. Infant's frock and robe. Lady's chemise and night-dress. Gentleman's shirt.

145 LEWIS & SOX, 1 Quiet St. and 1 John St. Bath, Des.—Over-coat, of novel design and light texture.

146 KELLY, J. & Co. 98 High St. Kilkenny, Ireland.—Buckskin hunting breeches; buckskin raw material, &c.

147 MASOX, W. Newcastle-under-Lyme, Mann.—Velvet-nap hats, on an improved body; waterproof beaver hat; Waterproof felt hat, adapted to tropical climates. Silk hat, on a body of Cashmere.

148 HODGSON, T. Jun. 31 Iron Market, Newcastle-under-Lyme, Des. and Mann.—Elastic corset. Invisible spinal support.

150 HILL, L. M. Whitby, Inv.—"Unique habit," cut out in one piece, and having few seams.

151 BIRT, A. Shepton Mallet, near Wells, Somersetshire, Inv.—The Birton transitional coat Surtout, with concealed hood for travelling, &c.

152 ROTTERS, HELENK, 13 Charles St. Soho, Inv.—The fan bonnet. A bonnet in white silk, contained in a fan box.

153 JONES, J. 17 Duke St. Liverpool, Inv.—Tailor's symmetrometer, for cutting coats and waistcoats. Registered. Tailors' rule.

156 ROBERT, R. Post St. Carnarvon, Wales.—Linsey dresses, scarfs, aprons, and petticoat.

179 WATT, W. Banbury, Oxfordshire.—A man's dress in one piece, with folding bag to carry it in.

180 ALLEN, W. D. & Co. 124 New Bond St. Inv. and Mann.—Infantry ventilating hat, a protection from sun and sabre.

181 ALLAN, J. 158 Cheapside, Mann. and Des.—Ladies' and children's straw bonnets and hats, of a peculiar combination of material.

182 BOWMAN, C. B. High St. Leicester.—Victorines, mantillas, and polkas, made of lambakin, cured with the wool. Fleecy patent leather socks. Lapland wool rugs. Children's frame-worked coats, edged with lambs-wool, &c.

183 BETHIZ, WARE, & Co. 63 Aldermanbury, Mann.—Bonnets, hats, and ornamental work, in Devon, Luton, Italian, chip, and Dunstable plait.

184 BOWNEY, C. 37 Lower Eaton St. Pimlico, Mann.—Surgical and other belt drawers.

185 BURNI & MELLARD, 56 and 57 Gt. Guildford St. Southwark, and 203 Strand, Mann.—Military and court hats, new styles. Ladies' black napless beaver riding hats. Silk plush hats. Velvet folding opera hat.

186 BAINE, J. Bowling Green St. Leicester.—Wool, worsted, and Cashmere hose and half-hose.

187 BOLINGBROKE, C. & F. Norwich, Mann.—Poppins, plain and figured, corded, striped, and checked. Black Paramatta.

188 BOWMAN, C. B. Leicester, Inv. and Mann.—Ladies' and children's victorines, riding boots, and mantilla polkas, made of lamb-akin. Mantilla and muff attached. Lapland wool rugs, &c.

189 BRADSHAW, G. 103 Bishopgate St. and 25 High St. Islington, Inv. and Pat.—Patent fastening, as applied to gentlemen's collars, stocks, &c. Gentlemen's anti-rheumatic belt and drawers.

190 BEAUFORT, Miss, Poolscouragh House, Cork, Prop.—A child's pelisse, knitted of Scotch wool of a very fine texture. A specimen of Irish ingenuity and industry.

191 CARTWRIGHT & WARREN, Loughborough, Leicester, Mann.—Patent Angola and merino yarns. Hose. Shirts, drawers, ladies' vests and dresses, &c.

192 CORAN & SONS, Granby St. Leicester, Mann.—An extensive assortment of hose. Wool vests and drawers. Fancy wool cuffs and sleeves, hoods, hats, and bonnets. Ladies' wool paletots.

193 CROW, HENRIETTA, 3 Maidenhead Ct. Cripplegate, Des. and Mann.—Silk purses, knitted with pins, and by the hand.

194 CHAPLIN, Madame R. A. 58 Berners St. Mann. and Des.—Corsets, belts, and articles of dress for ladies.

195 CARTWRIGHT & WARREN, Loughborough.—Patent Angola and merino yarns. Hose, half hose, &c. Ladies' vests and dresses.

196 CORRY, J. & J. Queen Camel, near Yeovil, Somerset.—Coloured and white lambskins. Coloured and black leather grain gloves.

197 CAPTAN & SOX, 69 Gracechurch St. part Inv. and Makers.—Registered folding bassinettes or cradles. Infant's basket, with its contents. Table covers of linen damask. Registered striped or banded towelling; Newark huckaback towelling. Irish sheetings.

198 CAMAY, E. 371 Strand, Des.—The Anaxyridian trousers.

199 DARLING, G. 35 George St. Perth, Inv. and Mann.—Gentlemen's hats, three ounces and a half in weight. Highland bonnets.

200 DOUDNEY, R. 17 Old Bond St. 25 Burlington Arcade, 49 Lombard St. Inv. and Maker.—Waterproof Irish poplin registered cloak.

201 DE FAYE, T. 6 York St. Charing Cross, St. Helier, Jersey, Prop.—Knitted stockings, fine woollen thread, dyed of different colours; knitting peculiar to the island.

202 ELLIS, F. & J. Leicester, Mann.—Silk, Lisle thread, and Cashmere gloves.

203 FRY, J. Godalming, Surrey, Mann.—Lisle thread hose embroidered. Fleecy breast-plates. Segovia shirts and pantaloons. Merino shirts and vests. Cotton pantaloons, drawers, and shirts.

204 FRY, J. L. Honiton, Devon, Inv. and Mann.—Dress coat: the body cut in one piece of cloth. New measure, registered.

205 FREEMAN, T. S. 48 Fenchurch St.—Registered new safety pockets.

206 FIELD & SONS, 114 Fore St. Cripplegate, and Harpenden, Herts, Mann.—Improved Dunstable bonnets. Chip bonnet, manufactured from the poplar-tree. Straw bonnets, in new designs and combination of materials.

- 207 **FIRKINS, J. & Co.** Worcester, Mann.—Ladies' habits. French kid gloves; calf gloves; Cape-goose gloves.
- 208 **GRIFFIN, B.** High St. Leominster, Herefordshire, Inv.—Four systems of cutting coats, vests, trousers, &c.
- 209 **GATIN, LAURA CHARLOTTE,** 5 Upper Eaton St. Pimlico.—Model of lady's dress, with elastic sides.
- 210 **GUNBOAT, CURRIE, & Co.** 15 Aldermanbury, Imp. and Mann.—Specimens of straw, chip, and horsehair manufactures in the various stages. Flag-grass, from Cuba; hats from the same, called Brazilian hats.
- 211 **GWATKIN, EMILY & ELIZA,** 37 Westminster Bridge Rd. Des.—Bonnet made from cotton, crochet, and bonnet made of satin, of new design and workmanship.
- 212 **GOULDING, J.** Beverley, Inv. and Mann.—Novel full-dress coat, with two seams instead of nine.
- 213 **HUDSON, J.** Leicester, Mann.—Lambs-wool, Cheviot, Cashmere, Saxony, Victoria, and worsted hose.
- 214 **HURBAND, R.** Manchester, Mann.—Hats in silk and velvet naps, remarkable for lightness. Hat-bands and bindings.
- 215 **HARRIS & TOMKINS,** Abingdon, Berks, Mann.—White duck agricultural labourer's frocks, designed by T. Watson; worked by Hannah and Esther Stimpson, out-tagers, Radley.
- 216 **HINDZ, E. & F.** Norwich, Mann.—Silk figured aerial dresses; silk and worsted figured crape dresses.
- 217 **HADLEY, R.** 73 High St. Worcester, Mann.—Ladies' ornamental hair.
- 218 **HARPER, D.** 4 Little Pulteney St. Golden Sq. Des. and Prod.—Scotch dress brogue.
- 219 **JAMES, A.** Trafalgar Cottage, Bath, Des.—Ladies' slippers, embroidered and satin-quilted.
- 220 **JOHNSON, J.** St. Ninian, by Stirling, Scotland, Mann.—Specimens of hose, from the oldest kind up to the present day.
- 221 **KRABER, T.** 40 George St. Limerick, Ireland, Des.—Winter and summer overcoat combined, composed of Irish frieze and tabinet, &c.
- 222 **KEED, W. J.** 6 Coventry St. Piccadilly, Prop.—Specimens of hosiery.
- 223 **KEABER, T.** Limerick, Ireland.—Military clothing, and clothing made exclusively of Irish frieze.
- 224 **KENNY, SUSAN,** 14 Irishtown, Clohmel, Dublin, Mann.—Baby's pelisse, and child's evening frock, of French cashmere, richly braided.
- 225 **LONG, G.** High Wycombe, Bucks, Inv. Des. and Mann.—Willow-lace hats and bonnets, made by a new method of silk, straw, and horse-hair. Design registered.
- 226 **LEZA, A.** Manchester, Mann.—Felt, velvet, and alpaca hats. Cloth caps.
- 227 **LOWDON & SONS,** Derby, Mann.—Patent frame-work gloves, without any seam on one side. Smith's patent boot, which requires no lacing.
- 228 **LAWRIE, R. W.** 8 Carlton Pl. Lauriston, Glasgow, Inv.—Articles for the preservation of life and property at sea. Wearing apparel rendered life preservers, &c. Life-boat, &c.
- 229 **LAURENCE, ELIZABETH,** 15 Montpelier Walk, Cheltenham, Mann.—White French merino dress, braided and trimmed with satin. Crimson velvet dress for boys, braided. White satin draw-bonnet.
- 230 **LEADERER, R. S.** Stradbally, Ireland, Prop.—Mittens of the finest silk, knitted by hand, by poor peasant girls at their homes; and called gossamer mittens.
- 231 **M'GEE, J. G. & Co.** Belfast, Mann.—Embroidered vests: the designs by pupils of the Belfast Government School of Design; the embroidery by poor girls, only nine months under the tuition of the exhibitors.
- 232 **M'CLINTOCK, J. & Co.** Barnaley, Inv. and Mann.—

- Double silk elastic woven corsets, to fit the body of the wearer, and not impede respiration. Thread-wove corset, without seam.
- 233 **MIDDLETON & AINSWORTH,** Norwich and London, Mann.—Norwich Paramatta cloth; Norwich Cashmere. Figured poplin; Chiné poplin.
- 234 **MUIR, J. J. & Co.** 132 Queen St. Glasgow, Mann.—Hand-loom woven ginghams, cravats, and handkerchiefs.
- 235 **MACDONA, G.** 32 Molesworth St. Dublin.—Embroidered vests. Friezes. Self-supporting drawers.
- 236 **MARTIN, EMMA & ELIZ. H.** 504 Oxford St. Des. and Mann.—Elastic bodices of white satin. Abdominal belt.
- 237 **MOLLADY & SONS, Warwick,** Mann.—Specimens showing the manufacture of a stuff hat. Embossed felt hat. Stuff rustics. Silk hats. Light zephyr hat. Welch lady's hat, Cardiganshire.
- 238 **NISBET, J.** 39 Wigmore St. Inv. and Mann.—Peruque, without ribbon or springs. Lady's head-dress.
- 239 **NAIRN, T. G.** Limerick, Mann.—Irish uniform frock for the Royal Horse Artillery. Irish frieze national cape, and Irish frieze paletot jacket.
- 240 **PIGOTT, J.** 29 Marlborough St. Cork, Ireland, Mann. and Prop.—Improved ladies' peruque.
- 241 **PIGON, H. & E.** 99 Lower Dorset St. Dublin, Mann.—Pair of knitted fancy stockings.
- 242 **PALMER, J.** Newfoundland St. Bristol, Des.—Ladies' high-heeled boot, in the old style, made of satin.
- 243 **RAWLINGS, J. B.** Abbey Silk Mills, Sherborne, Dorset, Mann.—Gloving and sewing silks, for tambour. Scarf, half twist cloth, &c. of superior quality.
- 244 **ROBERTS, G.** Tavistock, Devon, Inv.—An improved clog. Patented.
- 245 **RANNEY, P. & Co.** 19 Lancelot St. Glasgow, Mann.—Waterproof coats, trousers, coach-driver's apron, police cape, and tarpaulin. Samples of dyed cotton yarns.
- 246 **RIND, W.** 51 Conduit St. Hanover Sq. Inv. and Mann.—The registered "sans-pil" shirt.
- 247 **SPURDEN, WOOLLEY, SANDERS & Co.** 43 Friday St. Mann.—Bonnets of split straw plait, made by hand of English plait, showing the inner side of the straw, &c.
- 248 **SPURDEN, WOOLLEY, SANDERS & Co.** 43 Friday St. Mann.—Bonnet, made of English split straw-plait, of superior and novel style of workmanship.
- 249 **SCOTT, P.** 9 South Bridge, Edinburgh, Des. and Mann.—The V-breasted and swivel-collared shirt.
- 250 **SERRAMAN, J.** Finsbury Pavement, Prod.—Specimens of silk Russia braiding. General assortment of select needlework, in baby linen.
- 251 **SOLOME, SARAH,** 53 York Rd. Lambeth, Des. and Mann.—A lady's English costume ball dress, embroidered with gold and silk.
- 252 **STEWART, JANE,** Templetrine Glebe, Bandon, Ireland, Prop.—Articles made at the Templetrine Industrial School by the poorest class of the peasantry.
- 253 **SWAET, R.** 10 Upper Eaton St. Grosvenor Pl. Inv.—The "Subalvian sector."
- 254 **THE NEWBURY LOCAL COMMITTEE.**—An oil painting: instance of a coat made from the fleeces in thirteen hours and a half.
- 255 **VYSE & SONS,** 76 Wood St. Mann.—Ladies' bonnets, of finest quality, produced from wheat-straw, plaited and made up by the hand. Fancy horse-hair and straw: the material made by the loom, and then sewn into bonnets by the hand. Leghorn: the material produced in Italy, the bonnet formed in London.
- 256 **WARD & SONS,** Leicester.—Patent fancy cravats, boss, and pelerines without seam. Alpaca coats and capes. Polka coats. Worstead and cotton hose. Wool frocks, &c.

CLASS 21. *Cutlery, Edge and Hand Tools.*

- 257 WELCH & SOSS, 44 Gutter Lane.—Specimens of wheat straw, straw plaits, bonnets, &c.
- 258 WELCH, MARIA, Bere Regis, Blandford, Dorset, Mann.—Fine thread shirt, with buttons manufactured by hand.
- 259 WHALLEY, W. Crabbery Hall, Stafford, Inv.—Patent-soled boots and shoes, with a complete sole of finely tempered steel, introduced between the inner and outer sole.
- 260 WARD, STRUT, SHARP, & WARD, Belper, Derbyshire, & 89 Wood St. Cheapside, Mann.—Specimens of hosiery and glove manufactures. Lisle-thread, merino, cashmere, silk, and spun silk.
- 261 WALKER & BARR, 306 Strand, Inv.—Registered waterproof alpaca over-coat and case that can be carried in a coat pocket.
- 262 WOODHOUSE & LUCKMAN, 33 Wood St. Cheapside, Des. and Mann.—Bonnets, made from the English willow, light and cheap.
- 263 WOODM, D. 2 Upper Park Pl. Dorset Sq. Inv. and Mann.—Patent horseshoe, to prevent slipping on ice, wood, turf, &c.
- 264 WAGNER, LOUISE & MARIAN, 35 Doddington Grove, Des. and Mann.—Feathers and rosettes, in coloured mohair silk. Hand-netted head-dresses, in floss silk, &c. Fancy bracelets. Silk caps. Berthe caps, of gold, silver, and chenille, &c.

CLASS 21. *Cutlery, Edge and Hand Tools.*

- 1 JACKSON, W. Birmingham, Mann.—Model of a raising machine, for raising dish covers. Tools used in the manufacture of tin and copper ware, &c.
- 2 THORNTON, W. 144 New Bond St.—Steel chatelaine, style of the old pierced steel work. Instrument, for pruning trees at any height. Flower-gatherer, cutlery, &c.
- 3 THOMAS, R. Scknield Works, Birmingham, Mann.—An assortment of axes, hatchets, and adzes; augurs, plane-irons, chisels, trowel, gun and hand harpoons; and garden tools.
- 4 BLOFIELD, T. G. 6 Middle Row, Holborn, Mann.—Table cutlery, made in London.
- 7 MORTON, J. & G. 8 Gt. Turnstile Lincoln's Inn Fields, Mann.—London-made table cutlery.
- 9 COVVAE, E. & S. 104 Fenchurch St. Inv.—Canton strop, or Chinese razor-sharpener.
- 10 SHARPE, J. & R. 5 Gough Sq. Mann.—Table-knife cutlery, made in London.
- 13 MOSLEY & SOSS, 17 & 18 New St. Covent Garden, Mann.—Planes and tools, with modern improvements.
- 14 LOY, W. 24 King St. Whitehall, Mann.—Club skates, ladies' skates, &c.
- 15 LOY, W. T. Jun. 60 St. Martin's Lane, Des. and Man.—Razors, carving knives and forks, and other articles of cutlery.
- 16 FIELD, E. 17 Mary Ann St. St. George's East, Inv.—Cabinet-maker's case of tools.
- 18 BUCK, J. 91 Waterloo Rd. Lambeth, Mann.—Circular and other saws, turning and other mechanical tools.
- 19 HILL, J. V. 5 Chichester Pl. Gray's Inn Rd. Mann.—London made saws.
- 24 NEWBORN, H. 18 Percy St. Tottenham Ct. Rd. Inv.—Patent wire trusses.
- 31 HANNAH, A. Glasgow, Mann.—Thomson's augurs, braces, bits, claw and clenoh hammers, scollops, for boring wood, &c.
- 32 MATHIESON, A. Glasgow, Mann.—Assortment of braces and bits; pianoforte-maker's key tools; turning and carving tools, &c. Plit ploughs. Sash and side fillisters, &c.

- 33 HILLIARD & CHAPMAN, Glasgow, Inv. and Mann.—Razors of various kinds and strops. Table cutlery; pocket knives, &c. Truss, for hernia
- 35 MATHIESON, T. A. & Co. 65 Nicholson St. Edinburgh, Mann.—Improved ash fillister plane, wood brace, and pattern bit.
- 36 MACPHERSON, C. & H. 1 Gilmore St. Paul's Work, Edinburgh, Mann.—A brace, with all kinds of bits used for boring, drilling, and countersinking.
- 38 EASTWOOD, G. 31 Walm Gate, York, Inv. and Mann.—Mitre plane, for the use of cabinet-makers, joiners, organ-builders, &c.
- 37 BARKER, R. Easingwold, Yorkshire, Mann.—Butchers' and house steels.
- 38 TOMLIN & Co. Kettering, Northamptonshire, Mann.—Sickles for reaping corn. Shears for sheep-shearing, wool-sorters, thatching, and carpets.
- 38 STUBBS, F. Warrington and Rotherham, Mann.—Blister and shear steel. Cast-steel. Coach-spring steel. Lancashire files and tools. Magnets, made according to the system of the Rev. W. Scoresby. Double-action lever lock.
- 40 GRADWELL, G. 8 Market St. Manchester, Prop.—Knife with 300 blades, each having a separate spring.
- 41 SYZACK, J. Norfolk.—Set of razors.
- 42 BELCHER, L. Waterloo St. Wolverhampton, Mann.—Augurs, bits, borers, chisels, and gouges, for shipwrights, carpenters, &c.
- 43 BELCHER, L. Waterloo St. Wolverhampton, Mann.—Tools used by shipwrights, carpenters, coopers, pump-borers, and wheelwrights.
- 44 FLETCHER, W. Burdham, near Bridgewater, Somerset, Inv. and Mann.—Two working models of filtering vessels. Model of a stove for the purpose of heating and ventilating two apartments at the same time. Carpenters and cabinet makers' smoothing plane, with new mode of altering the pitch of the iron. Model of Burnham Law lighthouse. Specimens of amber, jet, &c. found on the coast of Norfolk, polished.
- 48 DURHAM, J. 456 Oxford St. Mann.—Cutlery, with illustrations of manufacture. Cut steel chatelaine.
- 51 WEATHERLY, E. 3 Belmont Ter. Wandsworth Rd.—Tall's saw-set, being a patent for improvements in the apparatus for setting saws.
- 88 ADDE, S. J. 20 Gravel Lane, Southwark—Tools used by carvers.
- 114 COCKER & SOSS, Hathersage, Mann.—Needles, in all stages of manufacture; heckles and heckle-pins; spiral springs; combs, and wool-combers' broaches; pinou wire, &c.
- 122 CARMALT, J. Cumberland Pl. St. Helier, Jersey, Mann.—Knife and scissors extremely small. Made without the use of glasses.
- 124 BRADFORD, R. & W. 72 Patrick St. Cork, Ireland, Mann.—Cutlery, including razors, pen and sporting knives, &c.
- 134 YEATES, F. G. 10 Winckworth Buildings, City Rd. Inv. and Mann.—Registered lever knives, for opening preserved provisions, &c. Registered twine or string boxes.
- 135 WRIGHT, P. Constitution Hill, Dudley, Mann. and Pat.—Vice, with patent solid box.
- 136 ATKIN, G. E. & A. 115, 116, and 117 Barford St. Birmingham, Mann.—Specimens of circular saws. Case of carpenters' and joiners' tools. Specimens of skates.
- 137 NASH, R. 20 Russell St. Birmingham.—Dies and small tools. Spoon, medal, coin, button, and shank-hole dies. Office-desk seals.
- 139 PRACOCK, G. Southampton, Inv.—New description of metallic paint or composition, named "Anti-Sargassian," for protecting the bottoms of ships.

CLASS 21. *Cutlery, Edge and Hand Tools.*

139 MAPPIN, J. Sycamore St. Sheffield, Prod.—Specimens of engraving on pearl and ivory.

145 CANNING, MARY J. 9 Walcot Parade, Bath, Mann. (blind, deaf, and dumb).—Models of a lady's travelling-basket, and invalid's bed-table; chair-back and hand-screens; mats; baskets; flower-pot stands, &c.

170 BRADFORD, B. & W. 73 Patrick St. Ireland, Mann.—Pearl, tortoiseshell, and ivory-handled razors. Look-joint knives. Pruning and other knives. Corkscrews.

608 GRAY, F. 47 Hanover St. Edinburgh, Inv.—Model of an invalid bed, made by T. Stunock, Duke Street, Leith.

642 ROSE, J. E. 69 Mount Pleasant, Liverpool, Mann.—Artificial teeth.

CLASS 22. *General Hardware, including Locks and Grates.*

1 HOOD, S. 81 Upper Thames St. Prop.—Stable stall with a cast and wrought-iron hay-rick, enamelled manger and cistern, &c.

4 TURNER, T. 38 East St. Marylebone, Mann.—Sliding metal sash of improved construction. Door-spring and centre for a door to swing both ways.

5 KING, C. 5 Tombridge St. New Bd. St. Pancras, Des.—Designs for carriage-gates, and for stained glass window.

6 PHILLIPS, J. B. Battersea Fields, Des.—Design for ornamental iron gates for a park entrance.

7 STAYERS, H. R. Newmarket, Cambridgeshire, Mann.—Specimens of horse-shoes and plates for racing horses.

8 STROUD, W. Mann.—King's gas cooking range. Gas stove. Bronze candelabra, designed by P. C. Hardwick. Riddle's gas burner. Railway signal lamp. Lowe's patent gas naphthalizer.

9 CLARENDOON, T. Great Brunswick St. Inv. and Mann.—A horse-shoe, designed to permit the natural expansive action of the foot of the horse: patented for Great Britain and Ireland and France.

10 WHITEHEAD, J. Oxford St. Manchester, Inv. and Prod.—Horse shoes.

11 CHOPPIN & MAUND, 370 Oxford St. Pat. and Mann.—Rodway's improved patent concave horse-shoes. Patent machine-made, fullered, and seated horse-shoes.

14 JONES, G. 2 Raven's Pl. Hammermith, Inv.—Horse-shoe for frosty weather.

15 HILLMAN, J. 4 Leaver's Buildings, Glasshouse Yd. Inv. and Mann.—Concave expansion horse-shoe.

16 COOK, W. Willesborough, Ashford, Kent, Mann.—Horse-shoe in most general use.

17 FLOMLEY, W. Maidstone, Inv.—Model of an improved horse-shoe.

17 DEWMAR, J. Sheffield, Yorkshire, Mann.—An assortment of superior and useful razor strops. Russia and Morocco pocket-books. Ladies' Companions, &c.

18 PIERCE, W. 38 Loyd St. Green Hays, Inv. and Mann.—Registered letter-copying machines. Model of a window with registered sash-fasteners.

19 BAKER, E. B. 9 Walbrook, Des. and Inv.—Portable and cheap letter-copying machine, called a "manotype."

20 RUTHER, J. New St. Edinburgh, Inv. and Mann.—Letter-copying press, combining seal press and letter weigher.

21 PERRY, H. J. 3 Greenwich Rd. Greenwich, Inv.—Atmospheric railway, with gutta percha tubing, to work by compression or exhaustion. Sausage machine.

23 SYMES, W. 19 Victoria Rd. Pimlico, Inv. and Pat.—Lump-sugar chopping machines.

25 BARTON & PARTMAN, Brick Hill Lane, Upper

Thames St. Mann.—Wrought copper nails, roves, rivets, and washers.

29 WALKER, E. 6 Cardington St. Euston Sq. Mann.—Perforated brass, containing from eight thousand one hundred, to fourteen thousand four hundred square holes to the square inch, &c.

30 WILKINS & WEAVERLY, 29 High St. Wapping, Mann.—Smith's patent galvanized and ungalvanized iron and copper wire ropes.

31 VEER, H. H. 2 Andover Pl. Kilburn, Des. and Mann.—Improved bird-cage.

32 WOODS, W. 1 Queen St. Southwark. Mann.—Hooks and eyes, for uniforms, and drapery purposes. Brass chains for lamps and scales.

33A KUFER, W. Camden Pl. Camberwell, Mann.—Specimens of wire rope, for suspension bridge, &c. Copper lightning-conductors and sash line. Submarine telegraph wire rope. Bound wire rope, prepared for use.

35 FOX, T. H. 44 Skinner St. Mann.—Ornamental garden arch flower stands. Wire netting for aviaries, &c. Bird-cages. Wove wire, and other wire work.

37 FISHER & FIELD, Blandford, Dorset, Mann.—Wire buttons, made by covering or working round a brass ring, with thread or cotton, with a common needle.

38 FLAVEL, S. Leamington, Inv. and Mann.—Patent kitcheners, or cooking grates.

39 GREENING & SONS, Warrington, Mann.—Extra-strong wire cloth, woven by steam-power.

40 GORRIE, T. Perth, Des. and Mann.—Malleable iron garden-chair. Wire netting. Land-measuring chains, with oval rings.

41 WILSON, J. B. Haydock Rope Works, near Warrington, Pat. and Mann.—Wire rope and cables, viz. stitched and platted, flat and round.

43 DAWHATT, J. Norfolk St. Sunderland, Inv. and Mann.—Domestic mangle of simple construction.

45 BRYDEN & SONS, Rose St. Edinburgh, Inv. and Mann.—A manifold bell-pull, to ring bells in any number of rooms. An air signal mouth-piece and bell. A bank safe lock. Bell furniture, blind rollers, &c.

51 EDGE, J. Coalpool, Shropshire, Mann.—Model of a pair of pit frames, with barrel and flat chains. Wood and iron-keyed flat chains, for pits.

53 EWART, G. 19 Quickset Row, New Rd. Regent's Park, Mann.—Zinc spirometers, for ascertaining the capacity of the lungs; zinc mouldings, and samples of manufactured zinc.

54 LAWRENCE, T. B. & J. 55 Parliament St. and 10 York Pl. Lambeth.—British zinc ores; zinc in ingots, sheets, and plates. Perforated sheet zinc, zinc nails, &c. Various manufactured articles.

55 TREGGON, H. & W. 23 Jewin St. and 57 Graecchurch St. Mann.—Zinc window-blinds, mouldings, cornices, gutters, &c. Drawn and moulded zinc bars, for metal sashes, &c.

56 SAVAGE, R. W. 15 St. James's Sq. Inv.—Door springs. Alarm bedstead. Bedstead for invalids.

60 STEELE, W. & J. 61 George St. Edinburgh, Inv. Mann. and Pat.—Kitchen-range, including apparatus for heating water for a bath.

60 PERRY, E. Wolverhampton, Mann.—Specimens of iron ore, pig iron, bar and sheet iron, block tin, &c. Strong tin ware, planished tin ware, and japanned ware.

62 COWLEY & JAMES, Walsall, Mann.—Patent iron bedsteads. Child's cot. Wrought-iron gas and steam tubes and joints.

63 TYLOR & PACE, 313 Oxford St. and 3 Queen St. Cheapside, Mann.—Perforated metal. Patent iron bedsteads, steel folding portable bedsteads with wrought-iron joints, &c.

66 HILL, E. & Co. Brierley Hill Iron Works, near

CLASS 22. *General Hardware, including Locks and Grates.*

Dudley, Mann.—Patent bedsteads, with pillars of taper iron tubing, richly japanned fancy bead and foot-rails, &c.

72 GIBBONS & SONS, Sheffield, Mann.—A pair of scissors nineteen inches long, produced as a specimen of workmanship. A pair of scissors in a forged state. An assortment of nail-nippers. Champagne nippers. Pruning-shears. Sets of scissors, assorted sizes, &c.

76 KEEK & WATKIN, Stourbridge, Mann.—Spades and shovels. Improved cast-steel draining tools. Plough-share, beam, and coulter moulds, for foreign and home markets, frying-pans, ladles, and hand-bowls. Scythes; hay, chaff, and thatchers' knives. Specimens of crane and coal chain. Nails; anvils; vices; best foggoted axle arm moulds, for carts and wagons.

78 FLATHER, D. Solly Works, Sheffield, Mann.—Joiners' tools, and skates.

79 GRIEKE, J. 8 Patrick St. Cork, Ireland, Des.—Views and sketches in copper, &c. produced by galvanic agency.

80 HAWCROFT & SONS, Sheffield, Mann.—Ivory, pearl, and tortoiseshell razors. Articles illustrative of the processes of manufacture, &c.

82 HANDYSIDE, A. Britannia Foundry Derby, Des. and Mann.—Cast-iron fountain. Vases, copied from the Warwick and Medici vases. Bacchanalian and other vases, from the antique.

83 THE BOWLING IRON CO. Bradford, Yorkshire, Prod. and Mann.—Specimens of iron ore, coal, &c., and of smelted and manufactured iron.

84 BATEMAN & SONS, Low Moor, near Bradford, Mann.—Bloom of iron H.C. produced at East Ries, Norway, of great toughness and strength; billet and wire rod rolled, and wire drawn from the same; cards manufactured with the wire.

85 JONES, J. 33 West Field Ter. Sheffield, Inv. and Pat.—Glass for sash-bars, frames, columns, cornices, &c., for windows, looking-glass, and picture frames, &c.

86 HIRD, DAWSON, & HARDY, Low Moor Iron Works, Bradford, Prod. and Mann.—Minerals from the Low Moor Company's mines, near Bradford: Black ironstone; black bed coal. Specimens of Low Moor pig iron, and of wrought iron tested by tension, &c. Ten-inch gun, of 9 feet 4 inches, weighing 85 cwt. used with hollow shot, shells, grape, and canister shot; mounted on a carriage made by C. A. and F. Ferguson, Mast House, Mill Wall, London. Thirty-two pound gun, of 6 feet, weighing 25 cwt. used with solid shot, shells, grape, and canister shot. Sugar-cane mill; cylinders or crushing rolls, 24 inches diameter by 48 inches in length. Olive mill. Wilson's elliptograph, for drawing ellipses of any proportion from a straight line to a circle.

88 BARKARD & BISHOP, Norwich, Mann.—Ornamental Gothic hinge. Galvanized iron wire netting.

89 ELLIS, W. 136 High St. Isle of Wight, Mann.—Kitchen-range, with hot-plate, oven, &c. Boiler, steam-closet, and baths.

87 NICHOLSON, W. N. Newark-on-Trent, Inv. and Mann.—Cottage cooking-grate, patented by J. Leslie, of London. Various other cottage and farmhouses and dining-room grates. Gas brackets, and ornamental iron work.

88 COLLINS, J. Leominster, Herefordshire, Inv.—Stoves for warming and ventilating buildings, kiln for drying malt, hops, &c. Machine for separating hops, &c.

89 DULLEY, J. Northampton, Inv. and Mann.—Registered self-acting effluvia-trap. Patent cooking-stove.

89 MARPLES, W. Sheffield, Mann.—Kingwood plated brace, beeched unplated brace, and centre bits.

90 FITCH, M. Chelmsford, Inv. and Mann.—Patent oven, for baking bread, pastry, meats, &c. with great economy of fuel and time.

91 SHARP, J. Southampton, Inv. and Mann.—Apparatus for cooking by gas a dinner for 100 persons.

92 KERBLAKE, T. Exeter, Mann.—Registered boiler for heating churches, mansions, &c.

93 HALSTED & SONS, Chichester, Sussex, Mann.—Kitchen-range, combining all the conveniences of a close range, with the advantages of a large open roasting fire, &c.

96 HARPER & SONS, Dudley, Des. and Mann.—Fender, or-molu mounted. Pierced fire-guard. Kitchen fender. Best steel fire-irons.

97 HAYWOOD, J. Derby, Mann.—Burnished steel drawing-room stove, with porcelain hearth. Radiating hall stove, with hearth-plate. Church stove.

98 BENHAM & SONS, 19 Wigmore St. Mann.—Roasting range with radiating back. Smoke jack. Hot-plate and broiling stove. Bain-Marie pan. Vegetable steamer, &c. Copper warm and shower-bath.

100 COLLIER, SOX, & Co. 10 Foster St. Bishopsgate, Pat. and Inv.—Coffee-roasting apparatus.

101 LEBLIE, J. 59 Conduit St. Inv. Pat. and Mann.—Patent fire-brick grates. Patent domestic gas purifying apparatus. Patent gas regulating apparatus. Patent gas burners, &c.

102 STUART & SMITH, Sheffield, Mann.—Sylvester's patent grates. Register grate, with a revolving canopy; a French invention. Patented in England. Fenders, fire irons, &c. Air stoves. Three miniature steam-engines, made by W. Hurst, watchmaker, Sheffield.

107 PIERCE, W. 5 Jermyn St. Des. and Mann.—Chimney-piece of enamelled iron. Chimney-piece of British alabaster, by H. Poole, mason. Pyro-pneumatic ventilating stove-grate, &c.

109 CARR, J. & RILEY, Bailey Lane Works, Sheffield, Mann.—Patent double-edge Lewis and spiral machine knives, for dressing cloth. Circular, frame, and pit saws. Files, &c.

109 JOHNSON, CAMPBELL, & Co. Cyclops' Works, Sheffield, Yorkshire.—Model of the Cyclops' Works. Specimens of iron and steel suitable for engineering, tool making, &c. An assortment of specimens of files and rasps, from one to forty-six inches in length. Specimens of locomotive engine and tender, railway-carriage, horse box, bearing, buffer, draw springs, &c.

110 DEAKIN, G. & Co. 48 Eyre St. Sheffield, Mann.—Ivory carvers; plated fish carvers. Silver and silver-plated dessert-knives. Ivory, silver, and plated table-knives. Silver knife, fork, and spoon. Silver cake-knife.

110 BROOKES & SONS, Sheffield, Mann.—Emigrants, horticultural, and gentleman's tool chests. Tools of all descriptions.

112 MAKIN, W. Attercliffe Steel Works, near Sheffield, Mann.—Paper-mill, rag-engine, roller-bars, and bottom-plates, for grinding ropes, rags, and other materials into pulp. Knives for rope and rag-cutting machines. Tobacco and snuff knives. Miller's best refined cast-steel chisels and picks, &c. Samples of steel, used in the various branches of the manufactures of Sheffield.

113 SPEAR & JACKSON, Sheffield, Mann.—Cast steel circular saw, 5 feet diameter; spring steel hand-saw, 30 inches long, and a collection of other saws. Knives for machinery, and other purposes. Files and rasps. American wedge axe, and edge tools of all sorts. Cast steel plate for engravers, and specimens of cast steel in bars.

114 FENNEY, F. Sheffield, Mann.—Razors, including specimens of the best work; new in pattern and design. Specimen, showing the different stages of the manufacture of the blade.

116 HARGREAVES, W. & Co. Sheffield, Mann.—Table knives; dessert knives; carvers; game carvers; elaborately-carved ivory-handled bread knife.

117 TURNER, T. & Co. Suffolk Works, Sheffield, Mann.—Pair of Albert venison carvers, with stag antlers. Carved

CLASS 22. *General Hardware, including Locks and Grates.*

- table cutlery. The Prince of Wales's sailor's knife. Gardeners' cutlery; sportsmen's knives; razors; pocket and penknives. Stone, circular, hand, and back saws. Files, &c.
- 118 ALCOCK, J. 105 Eldon St. Sheffield, Mann.—Knives for shoemakers, clikkers, and curriers, farriers, saddlers, joiners and cabinetmakers, coopers, painters, and glaziers, plumbers, butchers, basket-makers, and cooks. Newfoundland fish-knives.
- 119 PARKIN & MARSHALL, Telegraph Works, Sheffield, Mann.—Table and dessert knives; carvers; fish-carvers; mellow-carvers; bread-knives, with carved handles. Large slicers.
- 119 MARTIN & GRAY, Berkeley St. Birmingham, Mann.—Gas chandelier, finished in gold colour and artistic bronze. Pattern, finished in artistic bronze and gold colour, relief. Gas brackets, carriage lamps, &c.
- 120 ELLIS, T. & Co. Sheffield, Mann.—Shoemakers, glaziers, painters, and furriers' knives. Table knives in common use A.D. 1800. Sheffield whittle. Carving and bone knives and forks, &c.
- 121 OLIVER, W. Sheffield, Mann.—Forty pieces of miniature cutlery. Silver pistol. Table-knives, as manufactured in 1750 and 1800. Venison-carvers, and steel. Jones's patent game-carvers, and steel.
- 122 WILKINSON & SON, Grimsthorpe, Sheffield, Mann.—Sheep and horse shears; shears for gloves, thatchers, and weavers.
- 124 STEER & WEBSTER, Castle Hill Works, Sheffield.—Nippers; gold and silver scissors; surgeons' scissors; tailors shears; garden-shears, and slide pruning shears, &c.
- 127 SHEARER, J. Eldon St. Sheffield, Mann.—Sheep-shears; shears as used in the glove trade; horse-shears; pair of best polished bronzed trowel shank sheep-shears, in miniature, containing a variety of small articles; weavers' shears, knife, and nippers.
- 128 MARPLES, R. Sheffield, Mann.—Braces and bits; squares; mitre-square; turnscrows; improved sliding T bevil; saw-pads; spirit-level; screw-slides mortice-gauge; saw and frame; spokeshaves; shell-gimlet; improved auger-gimlets, &c.
- 129 TAYLOR, H. 105 Fitzwilliam St. Sheffield, Mann.—Tools for engravers, carvers, and print-cutters. Hand-drawn steel. Sculptors' chisels. Screw-tools, &c.
- 130 HOLMES, C. 90 Wellington St. Sheffield, Des. and Mann.—New registered holster. Specimens of table-knives.
- 130A BLOOMER & PHILLIPS, Albert Works, Sheffield, Mann.—Braces and bits, spirit levels, chisels, &c.
- 131 HARDY, R. E. Burnhall St. Sheffield, Mann.—Carved bread and plated dessert knives. Nut-picks, and instruments for ladies' work. Boxes, and gentlemen's dressing-cases.
- 132 MARTIN, S. 29 Norfolk St. Sheffield, Mann.—Specimens of various kinds of razors, manufactured from Sheffield steel.
- 133 NEWBOULD & BAILDON, Surrey Works, Sheffield, Mann.—Specimens of Roberts' patent table cutlery. Table cutlery, with Ivory and silver handles, &c.
- 133 NEWBOLD & OWEN, Sheffield, Mann.—Samples of best steel polished goods, including new and improved forms and varieties of scissors.
- 134 WILES & SONS, Sheffield, Mann.—Samples of razors and table knives.
- 134 INGRAM, T. W. 85 Bradford St. Birmingham, Des. and Mann.—Horn buttons, illustrations of the manufacture prior to the patent, and the improvements made under the same; materials with.
- 136 JONES, J. West Field Ter. Sheffield, Inv. Pat. and Mann.—Improved dinner-knife and carvers. Rust-preventive composition.
- 137 NICHOLSON, W. 17 Sycamore St. Sheffield, Mann.—Pocket and pen knives. American dagger and spear knives. American cotton and hunting knives, &c.
- 139 MAPPIN & BROTHERS, Sheffield and London, Mann.—Assortment of cutlery, including sporting and pocket knives; pen-making machines; gardeners' knives; table cutlery; razors and scissors in great variety.
- 142 CLAYTON, G. 5 Love St. Sheffield, Mann.—Specimens of table cutlery. The same plated on steel in Ivory and pearl. A large bread-knife.
- 143 BRADFORD, S. Bagwell St. Clonmel, Ireland, Mann.—Razors. Razor blades, from the bar of steel to the finished blade. Penknives, pocket-knives, and sportsmen's knives. Daggers. Cucumber-slicer. Tobacco-cutter. Pair of skates.
- 143 BAGSHAW, W. 37 Spring St. Sheffield, Mann.—Assortment of fine penknives.
- 144 BARGE, H. Low St. Sheffield, Mann.—Pocket-knives American hunting-knives, &c.
- 145 BRIGGS, S. 186 Solly St. Sheffield, Mann.—Needles and awls for basket, mattress, and staymakers, saddlers, &c. Bookbinders' or printers' bodkins. Punches. Packing-needles. Carriers' steel-blades. Nut-pickers. American socket-vices, &c.
- 146 HARDY, T. 9 Moore St. Sheffield, Mann.—Stilettoes, crochet-needles, button-hooks, nail-files, corkscrews, tweezers, boot-hooks, &c.
- 147 SELLERS, J. Sheffield, Mann.—Razors. Pocket and sportsmen's knives. Fine Penknives. Surgeons' cutting instruments. Engravers' tools. Pen-making machines. Steel plate, machine-ruled; exhibited to show its fitness for the etcher and engraver.
- 149 NOWILL, J. & SONS, Sheffield, Mann.—Assortment of knives for the Levant trade, other cutlery, razors, dressing-cases, &c.
- 151 ELLIOTT, J. Townhead St. Sheffield, Mann.—Sample razor, manufactured of the best steel; exhibited for temper, design, and workmanship. Frame-back razor. Pearl-tang razor. Razors, with hollow-ground blades.
- 154 WEBSTER, G. Howard St. Sheffield, Mann.—Razors of superior finish and quality. Double-edged razor, provisionally registered.
- 155 LEDGER, C. 83 Carver St. Sheffield, Inv. and Mann.—Various razors; curiosity razor; barbers' razors. Table knives; silver-plated dessert knives, with chased blades; pearl-handled plated dessert knife, with emblematical ferrule.
- 156 ELLIS, I. 188 West St. Glossop Rd. Sheffield, Mann.—Card of razors. Table knives. Butchers', pallet, putty, and stopping knives.
- 157 DRAKIN, G. 83 Arundel St. Sheffield, Inv. and Mann.—Scissors for clipping horses. Elastic metallic combs. Lamps for singeing horses. Tailors' shears.
- 159 URWIN & ROGERS, Rockingham Works, 194 Rockingham St. Sheffield, Mann.—Sporting knives; pistol, pencil, and cigar knives; desk, garden, pen-machine, scissors, sailors', and pocket knives. Razors, lancets, farriers' knives, fleams for bleeding cattle. Nail-files, button-hooks, &c.
- 160 MARRIOTT & ATKINSON, Fitzalan Works, Sheffield, Mann.—Files and rasps, for various purposes, and in various stages of manufacture. Specimens of steel, for coach springs, chisels, spindles, and tools. Model for locomotive engines, springs, drays, railway waggons and carriages, elliptic carriage-spring, gig or light cart-spring.
- 160 FRADCOMBE, H. Wolverhampton.—Portable wash-stands, coal vases, oval dish-covers, tea-trays, copper bronze kettles, tea caddies, hot-water dish and cover, dressing-case, &c.
- 161 KIRK & WARREN, 11 Coalpit Lane, Sheffield, Mann.—Files and rasps, suitable for mechanics, engineers, &c.

Class 22. General Hardware, including Locks and Grates.

Large file, 54 inches long, to show the various forms of cutting. Designed and executed by H. Young, of Sheffield.

162 MARK, BROTHERS, & Co. Sheffield, Mann.—Specimens of steel used for tools, cutlery, &c. Table and small cutlery. Butchers' knives; razors; edge tools; files; scythes; hay-knife; straw-knife. Spring for railway trucks, waggon, &c.

163 BROOKSBANK, A. Muleada Works, Sheffield, Mann.—Files and rasps, manufactured from the best cast-steel.

164 WOHALLE, HALLAM, & Co. Sheffield, Mann.—Hackles and gills for flax-dressing. Cast-steel wire and spiral springs. Needles in process of manufacturing. Brush-makers' engine-combs. Cast-steel brooches for wool-combing.

164 TARKER, W. St. James's Rd. Halifax, Des. and Mann.—Machine for washing, wringing, and mangling.

165 COOLES & SONS, Garden St. Sheffield, Mann.—Tailors' and horse-trimming scissors. Ladies' cutting-out and fancy scissors. Grape scissors, and flower-gatherers' budding scissors. Left-handed scissors, &c.

165 MACDON, J. Sheffield, Mann.—A variety of scissors and side pruning shears.

166 MANSDEN BROTHERS, & SILVERWOOD, Bridge St. Works, Sheffield, Mann.—The Royal Albert and other skates. Joiners', carpenters', and cabinet-makers' tools, of the best manufacture. Botanical and horticultural tools.

170 JOWETT, J. Arundel Lane, Sheffield, Mann.—Edge tools and sheep-shears. Horse, rag, and weavers' shears.

171 BROOKS, J. Dorset St. Spring Lane, Sheffield.—Articles suitable for ladies' work-boxes and gentlemen's dressing-cases.

172 MARSHALL & Co. 4 Park Side, Hyde Park Corner, Inv. and Mann.—Registered invisible sling, for paralysis. Registered corset, spring stays, belts, &c.

174 RIDGE, J. G. Ecclesfield Common, near Sheffield, Mann.—Braces, bits, and gimlets.

175 WILKINSON, T. & G. 17 New Church St. Sheffield, Mann.—Duplicate specimen of scissors, manufactured for the Queen, with the ornamental work filed out of solid steel. Large assortment of scissors and shears.

177 WRIGHT, J. New George St. Sheffield, Mann. and Inv.—Ladies' and gentlemen's skates. Truss. Horse-scraper. Shoe-lift. Horse trimmings, in cast-steel. Ladies' steel bands. Combs for graining oak, &c.

181 HOWARTH, J. Sheffield, Mann.—Tools for engravers' and print-cutters; mariners' compass; needles; gunsmith's stocking tools; turning and carving and other tools; tool-chest.

182 BROWN & SONS, Western Works, Sheffield, Mann.—Braces and bits. Squares, bevil, ganges, twincrows, spoke-shaves, saw-pads, saw-set, spirit-levels, saw-frame, prick-pads, and augurs. Skates of ebony inlaid.

184 DONCASTER, D. Sheffield, Mann.—Patterns of steel.

185 FLIMBOLL, S. Sheffield, Inv.—Improved warming and ventilating apparatus. Improved umbrellas. Improved surface-file handles. Concave and convex surface files. Exterior and interior angle files. Moulding file.

185 WALDRON & SON, Stourbridge.—Scythes; crown chaff-knife; hay-knives; American grass-hook; south of England reaping-hooks; hedge brushing-hook; pea bill-hook.

186 DEANE, DRAY, & DEANE, London Bridge, Inv.—A variety of stoves. Electro-plated and Britannia metal goods. Table cutlery, lamps, &c.

187 WARBURTON, C. 60 Eyre Lane, Sheffield, Mann.—Bright Scotch screw-anger 7 feet long. A variety of Scotch screws, four-twisted, and other augers. Improved shell-anger.

187 JOWETT & BATTIE, Saville Works, Sheffield, Mann.—Specimens showing the effect of each successive progress

of manufacture, from the native iron-stone into steel, and all its various forms and sizes. Engineers' and machine-makers' cast-steel files.

188 HOOKBOTHAM, G. & W. Sheffield, Mann.—Assortment of scissors, ornamented and mounted with gold, &c. Pair of fine scissors, forged from refined steel, hardened and tempered upon a peculiar principle. Razors, ivory, tortoise-shell, and mother-o'-pearl handles, gold and silver mountings, &c.

189 ROBERTSON, CARR, & STEEL, Chantry Works, Sheffield, Mann.—Cast-iron mantelpieces, grates, fenders, and fire-irons.

190 TUKTON & SONS, Sheffield, Mann.—Illustrations of steel manufacture from Swedish bar-iron. A large assortment of files, edge-tools, and cutlery. Springs for locomotive engines, railway carriages, &c.

191 LESOTON, BROTHERS, & Co. Sheffield, Mann.—Collection of cast-steel circular saws, polished. Segment of a circular veneering saw. A large collection of mill and hand saws. Cast-steel patent scythes. An assortment of files. Table, hunting, and other cutlery.

192 BROTHERS, W. & S. Sheffield, Mann.—Specimen, and other razors; edge tools and files. Superior saws, in great variety.

193 BLAKE & PARKIN, Meadow Works, Sheffield, Mann.—Improved cast-steel files and rasps. Improved cast-steel saws. Knives, &c., for paper-makers, cloth manufacturers, tobacco manufacturers, cork-cutters, tanners, curriers, &c.

195 WILSON & SON, Sycamore St. Sheffield, Mann.—Knives for shoemakers, butchers, cooks, cutriers, furrriers, glaziers, and weavers; palette knives, bread knives, butchers' steels, &c.

197 MARSHALL, S. 25 Eyre Street, Sheffield, Des. and Mann.—Specimens of illustrated Sheffield cutlery, consisting of razors, carved in mother-o'-pearl, &c. Pocket combs, &c.

198 SAYNOR & SONS, 13 Edward St. Sheffield, Mann.—Pruning and budding-knives, of superior workmanship and material.

203 EYRE, WARD, & Co. Sheffield, Mann.—Table-knives, commencing with the cheapest and commonest manufactured for export. Ivory, silver, and other descriptions of table cutlery. Razors, including the cheapest serviceable razor to the most costly. Pocket and penknives. Dagger and Bowie knives. Scissors, scythes, and sickles.

204 SOBRY & SONS, Carver St. Sheffield.—Collection of sheep shears; weavers' pods; circular saws; files; axes, adzes, cleavers, choppers, and hatchets; hedging-bills, and other gardening tools; carpenters' tools; scythes, chaff-knives, reaping-hooks, shears, &c.

204 LUCAS & SON, Dranfield, near Sheffield, Mann.—Malleable steel cart naves and axles, coach-naves and axles, and carriage-naves and axles. Spindles used for spinning flax, worsted, cotton, and silk. Improved railway wheels cast in one piece, and left hard on the face, the inner part quite malleable.

205 TARKER, H. Sheffield, Mann.—Cast steel saws, polished and etched with silver and gold.

206 FISHER & BRAMALL, Hoyle St. Works, Sheffield.—Files and rasps. Ironstone, pig and bar-iron. Bar, ingot, and other steel. Engineers' and masons' tools. Circular saw for cutting railway bars when in a heated state.

207 EARL, SMITH, & Co. Sheffield, Mann.—Files and rasps, of all shapes, kinds, and sizes. Samples of steel, from blister to the smallest watch-spring.

208 SLACK, SELLERS, & GRAYSON, Sheffield, Mann.—A large assortment of all descriptions of pit, frame, and hand saws. Straw or chaff-knife. Ledger blade and cylinder of spiral cutters for shearing woollen cloth, &c.

209 LESOTON, R. Shoreham Works, 7 Shoreham St.

Sheffield, Mann.—Improved bill-pruning saw. London pattern hand and back saws, &c.

211 TAYLOR BROTHERS, Burnt-tree Lane, Sheffield, Mann.—Circular, pit, and hand-saws, in great variety.

212 BROWN & SONS, Sheffield, Mann.—Ripping-saws, hand-saws, and back-saws, plain and ornamental.

214 STANFORTH, T. Hackenthorp, Sheffield, Mann.—Sickles and hooks; scythes and hay-knives.

215 HUTTON & NEWTON, High aue, near Sheffield, Mann.—Patent and crown hay and straw knives. Scythes, reaping hooks, and sickles, suitable for New South Wales, Australia, Canada, the Indies, the Cape of Good Hope, Russia, and the United States of America.

216 HENN & BRADLEY, Chespaide, Birmingham, Mann.—Taper wood screws in iron, brass, and copper. Iron thread screws. Taper hand-rail screws, for pianoforte-makers, &c.

219 GARFITT & SON, Sheffield, Mann.—A collection of scythes. Chaff, rag, and turnip machines. Elbowed, Irish, and bagging hook. Cast-steel Kendal hook. Cheshire and Kendal sickles, &c. Specimens of round steel, shear and cast.

220 ADAMS, J. Selby, Mann.—Improved washing, wringing, and mangling machine.

222 BURROW, S. 94 Spring St. Sheffield.—Specimens of table cutlery, blades all steel, with an ornamental shank.

224 LAMB, J. Nile St. Sunderland, Inv.—Model of a tubular gas apparatus for heating baths.

225 LEON, A. Sheffield, Mann.—American hunters and dagger knives, in ornamental sheaths.

226 SANDERSON, T. J. Sheffield, Mann.—Anvils and vices for engineers, blacksmiths, and farriers' use.

226 HAGUE, S. Devonshire Lane, Sheffield, Mann.—Fancy penknives, with corkscrews, silver pencils, &c.

228 HURZEN, E. Brownhall St. Sheffield, Mann.—Scissors and shears of every variety, with specimens from the rough steel to the finished article.

229 NELSON, J. Sheffield, Inv.—Set of parturition forceps, for domesticated animals. Pair of forceps for giving balls to horses.

231 LINTLEY, G. A. F. 43 Regent St. Sheffield, Yorkshire, Des. and Mann.—Horse-shears, sheep-shears, wool-sorters or thatchers' shears, grass shears, gloves, belting or dragging, and rag shears.

232 LINTLEY, E. 76 Wellington St. Sheffield, Mann.—Samples of shep-shears, plain and patent, suitable for Australia, North and South America, &c.

233 PEACE, J. Sheffield, Mann.—Saws ornamented in a new style, large circular saw, &c.

236 HUXLEY & HEROT, Inv. and Mann.—Cook's patent self-regulating stoves. Economic gas stove. Hydraulic stove, heated by gas. Gas chandelier, designed by Mair, &c.

238 GLENTON & CHAPMAN, 147 New Bond St.—Marble chimney-piece. Polished steel register stove, fender, &c. Vapour bath.

239 PRIDEAUX, T. S. Southampton, Inv.—Dwelling-house grate, feeding at the bottom. Model of a patent steam-engine boiler. Model of a patent machine for cutting agricultural drains in clay soils.

240 BAILY & SONS, 7 Gracechurch St. Des. and Mann.—Stoves. Fire-piece of coloured marbles, &c. Ornamental cast-iron work. Gothic chandelier for gas, &c.

241 EDWARDS, D. O. 5 Sydney Pl. Brompton, Inv.—Patent "atmopyre" hoods, or artificial embers for gas fires. Kitchen range of porcelain, adapted thereto.

242 WHITTEE & CHAPMAN, 18 Fenchurch B. 70 St. John St. and 11 Ray St. Clerkenwell.—Coffee-mills, corn-crushers, machine for grinding and dressing flour at one operation; smoke-jack, &c.

243 FORT & SON, 80 & 81 Edgware Rd. and Grove Foundry, Isson Grove, Inv. and Mann.—Patent double-section rarefying stoves, ornamented. Section, showing the internal arrangements.

243 SHERRIN, J. 21 Norton Folgate, Mann.—Economic range and supply cistern, hot closet steam kettle, bath stove, &c.

244 CROOK, F. 5 Carnaby St. Mann.—Large white Lily, in wrought-iron.

244 CROOK, W. 5 Carnaby St. Inv. and Mann.—Hot plate, oven and boiler, kitchen range, and improved smoke-jack. Tailors' stove.

244 KEENE, W. 42 Cornhill, Inv.—Conducting leaf calorifere: to be patented. The multiple box hive. New mode of preparing seeds for sowing.

247 BURROW, W. S. 39 Oxford St. Inv. and Mann.—New nautilus register stove, fender, and chimney-piece. Ornamental fenders, and metal wares.

248 WARRINER, G. 16 Arundel St. Imp. and Inv.—Essence of meat, from Port Phillip. Gas cooking stove, gas bath, kitchen utensils, traveller's stove.

249 ORMOND, J. C. 63 Bradford St. Birmingham, Mann.—Smith's bellows. Improved portable forge, vice, &c. Fancy satin-wood. Japanned and other bellows.

251 TAYLOR, S. 117 New Canal St. Birmingham, Mann.—Specimens of ordinary and ornamental bellows.

252 STOKES, J. C. Monmouth St. Birmingham, Inv.—Registered water-closet. Cabinet water-closet, made of china and earthenware, by Riddway and Co. Registered brass tap. Improved shoe and round valves.

253 ALLDAY, W. 32 Constitution Hill, Birmingham, Mann.—Assortment of bellows, plain and ornamental. Improved portable forge, with hearth attached.

254 GRIZZLES, T. F. Bradford St. Birmingham, Mann.—Tin goods, and plated tin ware. Cooking utensils coated with enamel. Iron stampings, of various shapes.

255 COPE & COLLINSON, Birmingham and London, Mann.—Specimens of improved castors for furniture. Patent globular blind mountings, &c. Patent bedstead-brace. Registered music-stool screw. Horne's patent butt hinges. Looks, hinges, springs, &c. for pianofortes.

256 ROCKE, W. Dudley, Inv.—Castings from wrought iron scrap from the cupola of a foundry, to show that its original quality for toughness is retained.

257 HARCOURT, W. & J. Bristol St. Birmingham, Mann.—Specimens of brass foundry used by bell-hangers. Door-handles, tea-bells, cornice-poles and ornaments, &c.

258 SOLLY, J. Leabrook Iron and Steel Works, Tipton, near Birmingham, Mann.—Specimens of English iron for conversion into steel, and of various kinds of steel; and articles of hardware and cutlery made from the said steel.

261 MALINS & SON, Birmingham, Mann.—Brass window-cornices and ornaments. Finger-plates for doors, &c.

262 GRAY & SON, 9 Wenman St. Birmingham, Mann.—Polished steel fire irons and standards. Coal vase, tongs, &c.

263 HANDE, J. Prospect Row, Birmingham, Mann.—Specimens of ornamental stamped brass foundry, cornice pole ends, curtain bands, finger plates, frames for miniatures or pictures, coffin furniture, &c.

264 LINGARD, G. Snow Hill, Birmingham, Mann.—Patent dovetail lock. Registered air-vent cock.

266 WILKES, J. Birmingham, Mann.—Specimens of locomotive and marine boiler tubes. Brass and copper gas tubes, and wire. Sheet brass.

267 BIND, A. Birmingham, Inv.—Hydrostatic syphon water-purifier. The Victoria night-light.

269 SMITH, T. H. 20 Brewer St. Golden Sq. Des. and Mann.—Stove ornament. Design for a centre ornament for a ceiling, composed of 5,000 postage stamps.

CLASS 22. *General Hardware, including Locks and Grates.*

- 270 SAMONITE, J.** Pope St. Birmingham, Manu.—Tinned wrought-iron culinary utensils. Copper coal-shovel. Wrought-iron melting ladle for plumbers, pitch, or seaming ladle, &c. Japanned iron and galvanized nail thimbles, and ship's hooks and thimbles. Tinned wrought-iron tinnmen's furniture.
- 271 HICKMAN & CLIVE, 34½** William St. North, Birmingham, Manu.—Coffin furniture produced by pressure from thin plates of metal in dies of cast iron or steel.
- 273 SHEPSTONE & MILLA, 25** Mary Ann St. Birmingham, Prop.—Polished fire-irons, locks, &c. exhibited for cheapness. Metallic tokens, labels, &c. Vests and other boxes. Embossed and coloured envelopes. Knives, forks, paper-knives, &c.
- 274 MOORE & Co.** Gt. Lister St. Birmingham, Manu.—Brass, German silver, and embossed electro-plated hinges. Process of making plain and embossed brass wires. Tube and wire of brass, copper, tin, &c. Brass rolled latten. Polished and sash bars.
- 275 HORNE, T.** Birmingham, Manu.—Curtain poles, curtain pole ends, curtain pole rings, &c. Variety of hinges suitable for all quarters of the globe.
- 276 WOLVENSON, E.** 2 Ashton Ter. Birmingham, Inv. and Journeyman Manu.—Secure lock, with an improved detector, and a new combination of levers.
- 278 ROWLEY, Newhall St.** Birmingham—Patent and registered awl pins, studs, brooches, &c. buttons, belt-plates and sword furniture. Wire-loop brace-buttons and eyelet-holes. Whip and stick handles.
- 279 TWIGG, G. & W.** Summer Hill, Birmingham, Manu.—Buttons, livery, military, naval, and sporting. Glove and brass, glass and pearl buttons. Steel brooches. Shirt studs, registered fasteners, &c.
- 280 WILLIAMS, T.** Helstone, Inv.—Model of iron safe, with water between the inner and outer cases. Model of axle for carriage, with hollow perforated arm for oil-box.
- 281 PROOFT & Co.** St. Paul's Sq. Birmingham, Manu.—Naval, military, and livery buttons. Glass buttons. Chased and enamelled studs. Medals. Coat links. Fasteners and slides for dresses.
- 282 HAMMOND, TURNER, & SONS, Snow Hill,** Birmingham, Manu.—Various naval, military, sporting, and club buttons, gilt, plated, bronzed, &c.
- 283 ASTON, W.** Princes St. Works, Birmingham, Manu.—Buttons, Florentine, linen, and Holland, covered in silk, satin, &c. Upholstery buttons. Shell suspender gaiter, great coat buttons. Polished cut steel buttons, &c. Steel dress-fasteners and ornaments. Series, illustrating the manufacture of buttons.
- 284 HARDMAN & ILIFFE, 38** Newhall St. Birmingham, Manu.—Buttons, medals, hooks and eyes, &c.
- 285 NEAL & TOSKS, 13** Gt. Charles St. Birmingham, Manu.—Real stone and fancy glass buttons. Shirt studs. Coat loops. Glove bands and bracelets. Horses' bridle rosettes in fancy cut glass.
- 286 CHATWIN & SOX, 92 & 93** Gt. Charles St. Birmingham, Manu.—Illustrations of the various sorts of button manufacture, covered nails for furniture, &c.
- 287 BANKS, E.** Birmingham, Manu.—Mother-of-pearl buttons used in the manufacture of buttons. Mother-of-pearl buttons.
- 288 FRENCH, J.** Gas St. Birmingham, Manu.—Hooks and eyes to fasten ladies' dresses, &c.
- 289 KNOWLES, H.** Howard St. Birmingham, Manu.—Gold-plated enamelled buttons.
- 291 PHILLIPS, H.** 116 Unitt St. Birmingham, Manu.—Gold and silver guard-chains, brooches, bracelets, &c.
- 292 SHELTON, J.** 55 Gt. Hampton St. Birmingham, and 38 Beeklersbury, London. Inv. and Manu.—Gold pencil case, gold-pens, penholders, pocket ecritoires, snuff-boxes, &c.
- 293 ALLEN, F.** Birmingham, Manu.—Silver and gilt filagree work.
- 294 GOODE & BOLAND, 24** St. Paul's Sq. Birmingham, Manu.—Specimens of jewellery, chains, &c.; and samples in the rough and subsequent stages. Specimens of blood-stones, slit by a self-acting machine.
- 296 WALTERS & STOW, 28** Lodgegate Hill, Birmingham, Manu.—Black ornaments. Chateaine, containing devices formed with human hair. Brilliant finger-rings, pins, and studs.
- 298 PARKER & ACOTT, 54** Briery St. West, Birmingham, Manu.—Gold and silver pencils and pen-holders. Gold tooth-picks, seals, and keys.
- 300 ALLEN & MOORE, 35** and 36 Gt. Hampton Row, Birmingham, Dea. and Manu.—Vesta match-boxes; cigar boxes; taper-stands; lamps; and other fancy articles in metal. Case of medals. Metal buttons.
- 301 ASTON, J.** St. Paul's Sq. Birmingham, Manu.—Ornamental silk, satin, and velvet buttons, dress ornaments, and patent linen buttons.
- 302 ELLIOTT & SOX, Regent St. Works,** Birmingham, Manu.—Fancy buttons for ladies' dresses. Gilt and plated, buttons. Patent silk, velvet, satin, Florentine, and linen buttons. Pearl buttons with metallic rims.
- 303 AVERY, E.** 73 Newhall St. Birmingham, Manu.—Patent shoe-scraper.
- 305 HAZLEY & SOX, Mount St.** Birmingham, Manu.—Chateaines; sword hilts; buttons; snuffers; stirrups; watch-guards; invalid tongues; and other ornamental steel wares.
- 307 COTTEWELL, E.** 101 Henry St. Ashted, near Birmingham, Inv. and Manu.—Patent climax detector locks, made to the keys. Two locks cannot be made alike, unless formed from the keys cut at the same time.
- 310 NASH, R.** 20 Russell St. Birmingham, Prop.—Spoon and collar dies; medal dies; coin, and office desk dies; button dies.
- 312 TIMMINS & SOX, Pershore St.** Birmingham, Manu.—Carpenters' hammers. Carpenters' and farriers' tools. Shoemakers' tools. Vices, coach wrenches, saddlers' and upholsterers' tools, &c.
- 313 MANLY, J. jun.** 55 Bread St. Birmingham, Pat. and Manu.—Patent ornamental nails.
- 315 REYNOLDS, J.** Crown Nail Works, Newton Row, Birmingham, Manu.—Cut nails, consisting of upwards of 200 distinct varieties of the most useful sizes, made of iron, zinc, brass, and copper.
- 318 HAWKINS, J.** 23 Princes St. Birmingham, Manu.—Screws in iron, brass, and copper; railway, coach, grate, machine screws, and bolts.
- 319 BAKER & Co.** 68 Cecil St. Birmingham, Manu.—Flower-stands. Plate and dish covers. Wire-gauze fire-guards. Squirrel-cage, with bells. Fancy window-blind patterns. Gauze Davy lamp. Mattress and sofa springs. Brass and iron weaving, &c.
- 320 COOKERY, H. R.** 148 High St. Borsdaley, near Birmingham, Manu.—Coffin furniture, in plated gold and silver and brass and tin japanned.
- 321 SIMCOX, PENNEKTON, & SOX, Birmingham,** Manu.—Curtain decorations. Lock furniture, finger plates, bell pulls, &c. Door-knockers and chains. Gothic and Elizabethan work for churches, &c. Letter clips, letter balances, &c. Sconces. Stair and curtain rods; miniature and picture frames. Butt and other hinges, bolts, castors, &c.
- 323 POTTS, W.** 16 Easy Row, Birmingham, Manu.—Bronzed and lacquered gas lamps, chandeliers, lanterns, candelabra, girandoles, glass frame, clock stands, epergnes, &c. Potts' patent picture supporting moulding.
- 324 GILLOTT, J.** Victoria Works, Birmingham, Inv. and Manu.—Specimens of metallic pens.

- 325 WILBY, & Co.** 34 Gt. Hampton St. Birmingham. Manu.—Gold, paladium, gold and silver, and silver pens pointed with the native alloys of iridium and osmium, the hardest of known metals.
- 326 HINCKES, WELLS, & Co.** Buckingham St. Birmingham, Manu.—Patent self-acting steam cutting, piercing, and raising pen machine. Illustrations of the manufacture of steel-pens and specimens of finished pens.
- 327 KEEL, A. & Co.** 28 Summer Row, Birmingham, Manu.—Steel pens, showing their different forms and qualities, with improvements.
- 328 MITCHELL, W.** 6 St. Paul's Sq. Birmingham, Manu.—Metallic pens and pen-holders.
- 329 BARTLET & SONS,** Redditch, Birmingham, and 37 Gresham St. London, Manu.—Needles and fish-hooks of every description, with specimens exhibiting the different stages in the process of manufacture.
- 330 BOULTON & SONS,** Redditch, near Birmingham, Manu.—Needles; steel meshes; surgeons' needles; sail hooks; bodkins; harpoons; spears and grains for whale fishing; fish-hooks, &c.
- 331 HEMMING, H.** Redditch, near Worcester, Manu.—A general assortment of sea and river fish-hooks.
- 332 HORNALL, J.** Oxford St. Birmingham, Manu. and Prop.—Highly-finished steel wire. Annealed wire. Hitch and bridge pins. Spun brass strings, &c. for piano-fortes and other instruments. Steel wire, for needles, fish-hooks, &c.
- 333 GOODMAN, G.** Caroline St. Birmingham, Manu.—Patent fine-pointed pins, black, purple, and dress. Brass pins, and needles.
- 334 EDKELSTEIN & WILLIAMS,** New Hall Works, Birmingham, Manu.—Pins, the heads and shafts in one solid piece, made by improved machinery. Elastic hair-pins. Iron wire, &c.
- 337 WAKEFIELD, J. T.** Lichfield St. Birmingham, Manu.—Specimens of iron and brass wire. Sofa, chair, and mattress springs. Brass, copper, and iron wove wire. Iron and brass chain, made by machinery. Wire gauze work.
- 336 MYERS & SONS,** Newhall St. Birmingham, Manu.—Specimens of steel pens, and improved steel pen and quill pen-holders in gold, silver, and other metals.
- 339 MITCHELL, J.** 48 New Hall St. Birmingham, Manu. and Pat.—Patent self-adapting pens and holder, and steel-pens in great varieties.
- 340 MARRIOTT & SONS,** Broad St. Birmingham, Manu.—Domestic groups of the Queen and the Prince of Wales, in or-molu and bronze: modelled by John Bell. Portion of a chandelier in bronze, as designed by Mr. Gruner, for the Pavilion in Buckingham Palace gardens. Ornamental designs in or-molu and bronze. Registered station-signal, and tail-lamps; hand signal lamps; roof lamp for carriages; carriage lamps; gas fittings; engine cocks, &c.
- 341 SROGERS, R. F.** 46 Broad St. Birmingham, Manu. and Pat.—Electro-plated articles on hard white metal, cast in metal moulds in a heated state; a stream of water is made to play upon the moulds, which causes them to contract, and thus produce great sharpness in the casting.
- 343 SAIR & LLOYD,** 17 Edmund St. Birmingham, Des. and Manu.—Lamps and stands, candelabra, &c. Cast brass from Benhart's patent copper, English's patent camphine.
- 345 EDWARDS, F.** 42 Poland St. Manu.—Circular corrugated Dr. Arnott's stove. Dr. Arnott's chimney ventilators.
- 347 WOOLRIDGE, J.** 38 St. Paul's Sq. Birmingham, Manu.—Or-molu door lock and bell lever. Brass bell levers, door handles, hat and coat hooks, and door fittings, castors, ventilators, &c.
- 348 HOLDER, H. A.** 96 Suffolk St. Birmingham, Manu.—Door-handles, carriage-door hinges, mouldings and beading, harness-buckles, &c. Chariot lamps and railway signal lamps.
- 349 BLUWS & SONS,** Bartholomew St. Birmingham, and 55 Bartholomew Close, London, Manu.—Brass candle and ship lamps; candlesticks; imperial measures and weights; bells, scuttles, &c.
- 350 DUGARD, W. & H.** Upper Priory, Birmingham, Inv. and Manu.—Carriage-lamps. Registered horse-collar, &c. Improved pattern of hair horse-saddles. Registered thiller cart-horse collar, &c.
- 351 HETHERINGTON, T. & Co.** 28 Cannon St. Birmingham, Manu.—Carriage lamps full silver mounted, engraved and stained glasses, gilt, enamelled, and chased.
- 352 EVERETT & SONS,** Birmingham, Manu.—Copper and brass tubes, for locomotive and marine boilers, gas, steam, &c. Specimens, showing process of manufacture of rolled metals, and of brass and copper wire.
- 353 BOULTON, T.** Broad St. Metal Works, Birmingham, Manu.—Specimens of the process of manufacture of wire and tubing; locomotive and mandril drawn tubing; brass solder, &c.
- 354 SCOTER, W.** 10 Market St. Birmingham, Manu.—Copper bronzed tea urns and swing kettles. Bright copper fluted coal vase, and round or oval kettles.
- 355 HILL, J.** Broad St. Birmingham, Manu.—Stamped ornaments, for lamps, chandeliers, &c. Six-light chandelier body and arms. Lamps, &c.
- 356 WHITFIELD, S.** Oxford St. Birmingham, Manu.—Window cornices, in stamped brass-foundry, with velvet, wainscot, and knotted oak, rosewood, and white enamel ground. Wrought-iron fire-proof safes.
- 357 LORD, G. E.** Berkeley St. Tube Works, Birmingham, Manu.—Lapwelded iron tubes, for steam boilers; the same with fittings for conveying gas and water; and for hydraulic presses.
- 359 TAYLOR, W.** 13 Sheepcote St. Birmingham, Inv. and Manu.—Original designs for nut-crackers, sugar tongs, door knocker, and improved inside shutter bar.
- 360 WORDSWORTH, J.** Birmingham, Des. and Manu.—Model of an economical kitchen range, intended for a close or open fire.
- 360 KENRICK & SONS,** West Bromwich, Staffordshire, Manu.—Model of an enamelled tank or cistern with gutta percha joint. Enamelled water or gas-pipes, troughs, &c. Pulleys, castors, &c. Nail casting, &c.
- 361 BEDINGTON & TONKS,** Cheapside, Birmingham, Manu.—Brass foundry, consisting of hinges, ventilators, bolts, bell-cranks, pulleys, castors, chair-arms, stair rods, desk rails, window fittings, &c.
- 362 KIMBERLEY, J.** 56 and 57 Ings St. Birmingham, Factor and Des.—Stamped brass foundry, consisting of curtain bands, cornice pole ends, letter clips, door furniture, &c.
- 370 MAPPLEBECK & LOWE,** Birmingham, Prop.—Chimney-piece, grates, fire-irons, &c. Brown's patent economical cooking apparatus. Open fire cooking range. Scales, weighing-machines, iron bedsteads, &c. Stocks and dies for iron gas tubing, and for engineers' and whitesmiths' work. Model of a steam-engine furnace, with Bedington's patent smoke consumer.
- 371 PLYTON & HARLOW,** Birmingham, Inv. and Manu.—Patent improved metallic bedsteads, japanned to correspond with papier-maché furniture exhibited by Jennens and Bettridge, &c.
- 372 POWELL, J.** New Windsor, Inv. and Manu.—Windsor portable economical oven, baking over the top of the fire, leaving the front for other purposes, &c.
- 373 WINFIELD, R. W.** Cambridge St. Works, Birmingham, and 141 Fleet St. London, Pat. and Manu.—Plain and ornamental cased and patent tubes, parallel and taper.

CLASS 22. *General Hardware, including Locks and Grates.*

Wire and rolled metals. Curtain-bands and pole-ends. Cornice-pole and curtain rings. Stamped brass window-cornices. Brass and iron furniture chandeliers, brackets, gas-fittings, &c.

374 GORROU, G. Birmingham, Inv. and Manu.—Drawing-room grate, &c. with or-molu ornaments. Dining-room grate. Cast-iron fender, with fire irons. Registered designs.

378 KXEN, G. J. 100 Crawford St. Marylebone.—Improved kitchen apparatus.

379 ANDREWS, H. P. 3 North St. Tottenham Court Rd. Inv. and Manu.—Emigrant's stove and general cooking apparatus. Meat screen and reflector.

380 GODDARD, H. Nottingham, Mann.—Patent cooking apparatus, for culinary and other purposes.

381 WAKELFIELD, F. Sherwood Iron-Works, Mansfield, Des. and Manu.—Great Western cooking apparatus. Sherwood range. Artisan's cooking stove &c. Wrought-iron painting. Iron casting of antique bronze statuette of Bacchus.

383 LOVE, J. 20 St. Andrew's Sq. Glasgow, Inv.—Gas-machines for heating, cooking, and lighting hotels and taverns, &c. Newly-constructed grates. Machine for generating gas, and illuminating locomotive engines and carriages.

384 YATES, HAYWOOD, & Co. Eppingham Works, Rotherham, and 200 Upper Thames St.—Drawing-room and iron register stove grates, in or-molu and burnished steel, &c. Dining-room, cottage, and other grates. Warm air and other stoves. Self-acting cooking stoves, &c.

388 SLATE, J. 14 Belmont Pl. Wandsworth Road, Inv. and Pat.—Patent stove, for the cure of smoky chimneys. Improved smoke guards, &c.

389 NETTLETON & SOX, 4 Sloane Sq. Chelsea, Inv. and Manu.—Gothic ventilating church-stove. Gothic stoves. Portable bed-room and conservatory stove.

393 COURT, J. 18 Queen St. Grosvenor Sq. Inv. and Manu.—Improved hot-air stove, composed of two earthen cylinders. The same for gas.

398 TOZER, T. 55 Dean St. Soho. Inv. and Manu.—Ventilating gas stove for halls, shops, &c. Bachelor's kitchen. Registered calorifers, or hot-water vessel.

391 NORMAN, G. 5 St. Ann's Pl. Limehouse, Inv.—Improved cooking stove for private families.

396 FROST, H. 17 Rathbone Pl. Inv. and Manu.—Model kitchen fire-place and cooking apparatus.

395 HEWITT, H. B. 306 High Holborn, Inv.—Apparatus for speedily cooling or warming liquids.

398 KERT, J. 8 Elizabeth St. South, Pimlico, Des. Inv. and Manu.—Improved vegetable callender. New potato steamer.

397 PRICE, V. 33 Wardour St. Soho, Inv. and Manu.—New patent washing machine. Chopping machine. Ventilator. Letter copying machine. Patent knife and fork cleaning machines.

397 PRICE, V. 33 Wardour St. Soho.—Portable stove for heating flat irons. Newly invented patent candle-stuffers.

398 REMINGTON, ANNE, 138 Sloane St. Chelsea, Inv.—Improved roasting apparatus, with self-acting baster and heat-reflector.

399 ROPM & SOX, 68 Snow Hill, Manu.—Patent japanned plate-warmer.

400 REEKE, J. 50 Harker St. Chelsea, Inv.—Nautical cap. Safety swimming belt. Portable oven, on a new principle, which can be used in the open air.

402 WARREN, G. 15 Lower Market St. Woolwich, Manu.—Models of register and thermometer stoves.

408 ALBERTON & SHREVEBURY, Hastings, Des. and Manu.—Open fire hot-air stove, made from iron ore obtained and smelted in Sussex.

404 ARGALL, J. & W. St. Agnes, Cornwall, Inv. and Manu.—Cooking apparatus, by which saving of fuel is said to be effected.

405 GRAY, J. & A. 85 George St. Edinburgh, Inv. and Manu.—A new radiating and reflecting stove grate, with flue passing up the back of the concave front, and thus transmitting a large amount of heat into the apartment.

406 WOOD, G. T. W. & H. Stourbridge, Mann.—Wrought-iron anvil and vice; scythes; grafting and draining tools; link chains used in rigging of vessels, cables, &c. Anchors, nails, screw-jack, windlass, &c.

407 KING, S. 1 South Hays, Bath, Inv.—Registered ventilating and smoke-consuming register stove grate, with King's octangular wedge bricks, &c.

408 McSHERREY, M. 3 James St. Limerick, Ireland, Inv.—Model of registered stove, for heating conservatories, hot-houses, and buildings.

410 KEDGATE, J. Nottingham, Mann.—Register stove grates, with registered fire-brick backs.

411 RIGBY, P. 167 Grove St. Liverpool, Inv.—Portable cooking-stove, for cooking with gas generated from heated spirits. Emigrant's kitchen, &c.

412 TIFFIN, J. Chichester, Inv.—Model of a newly invented invalid bedstead. Model of an improved kitchen range.

413 WALLACE & SON, Leith, Inv.—Model of a patent safety cooking apparatus, for ships, and of improved ventilator, for warm climates.

416 BELL, MASSEY, & Co. 35 Baker St. Manu.—Stands for flowers, of different sizes, made of brass tubing, by hand.

418 M'KENZIE, A. 38 De Beauvoir Sq. Kingsland, Mann.—Model of condensing engine, with coffer valves under cylinder, &c. Instrument for registering the speed of paddle-wheels, printing-presses, gun-carriages, &c.

421 HASLAM, W. St. Helen's, Derby, Des. and Manu.—Specimen of Hammond iron church-door hinges, with branches of scroll-work, after the early English style.

422 BOTT & ALLEN, Manchester, Manu.—Fenton's patent anti-friction metal, for the bearings of machinery. Plumbers' work, steam-engine valves, ship nails and fastenings, blocks, pulleys, &c. Dickenson and Falkou's patent equitable gas-meter.

424 PADDON & FORD, Brownlow Mews, Gray's Inn Rd. Manu.—Patent wet gas meter.

429 SPARKS, J. 12 King St. Tower Hill, Inv.—Cash-box for railways. India-rubber door hinge.

431 GRANT, D. Laton Pl. Greenwich, Inv.—Patent gas-light, perfectly ventilated. Gas stove for baking and cooking. Stove heated by either gas or coal. Improvements in fire-flues.

432 HALDANE & RAE, George St. Edinburgh, Des. and Manu.—Gas lustre and branches; wash-hand basin; patent water-closets; spiral taps, &c.

433 RICKETS, C. 5 Agar St. Strand, Inv. and Manu.—Apparatus for cooking, &c. by jets of coal-gas mixed with air, for chemists' use, &c.

434 COCHRANE, J. Greenisde Law, Edinburgh, Manu.—Gas-meter, 10 inches diameter.

436 RYAN, J. 13 Stafford St. Dublin, Inv. and Manu.—Transparent gas meter.

437 ROFER, J. Wigan, Lancashire, Manu.—Transparent gas meter, to register the consumption of gas to the one-hundredth part of a foot.

439 LOCKHEBY & STRATHESON, Glasgow, Des. and Manu.—Six-light chandelier, for gas.

441 EDGE, T. Westminster, Manu.—Patent wet gas-meter. Patent dry gas-meter. Photometer to ascertain the illuminating power of gas.

- 443 RAWORTH, B. P. Washington Works, Sheffield, Prod.—Portable mangle.
- 443 YOUNG, W. 18 and 33 Queen St. Cheapside, Inv. and Mann.—Vesta lamps, lanterns and burners, to burn rectified turpentine. Spirit cases, with air-tight stopper.
- 444 FARADAY & SON, 114 Wardour St. Mann.—Gas chandelier, upon Professor Faraday's principle, by which all noxious products are carried off.
- 445 DEBAUFER, H. 10 and 11 Creed Lane, Des. and Mann.—Concentrating gas-lamp, for externally illuminating shop-windows, on the parabolic construction.
- 446 CLARK & REEVE, 447 Strand, Des. and Inv.—Lamps and gas burners. New locks. Railway passengers' communications.
- 447 PALMER & Co. Sutton St. Clerkenwell, Mann.—Candle lamps. Weather lamps, to burn candles, for warehouses, stables, and out-buildings.
- 448 HOLIDAY, R. Huddersfield, and 128 Holborn Hill, London, Mann.—Self-generating gas lamps. Patented. Ammoniacal liquor produced from coal by the Sheffield Gas Company, from which are made coal tar; naphtha; ammonia liquor; sulphate, muriate, and carbonate of ammonia, &c.
- 450 HOLZATS, J. 6 Arthur St. East, Inv. and part Des.—Signal lamps for railways, &c. Hardware fittings for railway carriages.
- 451 SQUIRE, R. 16 South St. Manchester Sq. Mann.—Plated besterns and other carriage lamps; railway tail lamp; hand signal; improved magic lantern; travelling Etna; improved lamp for singeing horses.
- 452 SMITH & Co. Blair St. Edinburgh, Des. and Mann.—Stationary railway-signal, lantern, and lamp. A lantern and lamp for a railway train. A railway-carriage roof lamp. A stage-coach lantern and lamp. Hand signal-lamp for a railway.
- 455 SAUNDERS, W. J. 11 Polygon, Clarendon Sq. Inv. and Mann.—Friedmatic solar lamp for railways, lighthouses, &c. adapted for common animal or vegetable oil.
- 458 BRIGHT, R. 37 Bruton St. Inv. and Mann.—Lamps. Patent lamp wicks, &c.
- 459 CHILDS, J. Brentford, Mann.—Brass fountain lamp, with adjusting concentric burner, for a lighthouse lantern.
- 461 HUGHES, J. G. 158 Strand, Prop.—New designs for candle lamps, candelabra, and for spirit and oil lamps. Hall lantern. Flower-stand, &c.
- 462 BARLOW, J. 14 King William St. Mansion House, City, Inv. and Mann.—An illuminator, or vault light. Self-acting syphon tap.
- 464 BLACK, B. 49 South Molton St.—Ornamented carriage lamp.
- 470 SAUNTON, T. F. Leicester, Mann.—Gas lamp, with ornamental construction for ventilation.
- 472 NIBBS, J. S. Baslow, Blakewell, Inv.—Forms of the oxidate condensing lamp. Improved weather lantern, for out-door purposes, cellars, &c.
- 474 HAWKINS, J. 42 Bow St. Dublin, Mann.—Circular silver-mounted Clarence carriage lamps.
- 476 DOWSON, J. E. 123 Oxford St. Mann.—Cundy's patent hot-air ventilating stove. The interior made of fire-clay.
- 477 BROWN & REDPATH, Commercial Rd. near West India Docks, Pat. and Mann.—Fire hearth, or cooking apparatus, as used on board H.M. steam ships. Lanterns for marine purposes.
- 479 CALLAM, T. 56 Shore, Leith.—Ship's cooking apparatus, for baking, boiling, roasting, and steaming at the same time.
- 480 SEARLE, C. M.D. 51 Weymouth St. Inv. and Pat.—Tubulated solid fire-brick stove or heat condenser, for libraries, schools, passages, shops, &c.
- 481 GOODBERRY, G. T. 9 Welclose Sq. Mann.—Improved ship's hearth, to cook for fifty men.
- 483 DEZIRE, N. Regent St. Inv. and Pat.—Gas works. Gas stoves. Patent gas bath, &c.
- 488 GARTON & JARVIS, Exeter, Inv. and Mann.—Improved universal cooking apparatus, or range-stove. Exonian cooking apparatus. Hot-house boilers, &c. Model hot-water apparatus. Double-action hydraulic cider-press.
- 493 HALL, T. & Co. Bristol, Des. and Mann.—Gas brackets, chandeliers, &c. Improved plunge and beer-cocks. Musical-clock bells. Kettles; coal-scoops; registered copper bath. Brass figures, bronzed, and in a new style of locker.
- 498 LOVELL, E. 34 Essex St. Strand, Inv.—New coffee filters. Potato roaster of a new description.
- 499 KEFF & Co. 40, 41, & 42 Chandos St. Mann.—Copper bath. Steamers, hot-water pipes, and skylight frame. Copper covering for roofs, casement, clock-hands, &c.
- 490 WILSON, R. & W. 49 Wardour St. Soho, Des. and Mann.—Baths of various descriptions.
- 498 GILLESPIE & SON, 62 Broughton St. Edinburgh, Inv. and Mann.—Model of the Victoria shower-bath.
- 494 GILBERT, S. Ironmonger St. Stamford, Lincolnshire, Inv. and Mann.—Somnambulant bath: registered.
- 495 MOORIDOR, M. The Willows, Swansea, Inv.—Model of a sponging bath.
- 496 HARDWICK, W. 33 Hatton Garden.—A portable domestic bath-room.
- 498 MOSE, R. Bartholomew Sq. Inv. and Mann.—Registered copper vapour bath, worked by a spirit lamp.
- 500 BRAY, C. 14 Cranbourne St. Leicester Sq. Inv.—Pedestal wash-stands of papier-maché, &c. japanned and ornamented with gold mouldings. Bath, and cooking utensils.
- 501 DALE, R. 195 Upper Thames St. Mann.—Model of an improved warm bath and heating apparatus.
- 502 FAULDING, J. Edward St. Hampstead Rd. Inv. and Prod.—Specimens of ornamental and curvilinear sawing, for embellishing pianofortes and furniture, architectural ornaments, &c. Registered portable vapour bath.
- 503 LONGFIELD, W. Otley, Near Yorkshire, Inv. and Mann.—Ornamented wrought-iron safe or chest, with patent positive security lock: patented.
- 506 LEADERER, J. 125 Aldergate St. Mann.—Fire-proof safes, secure against burglars and injury from fire.
- 507 TAYN & SONS, Pat. and Mann.—Fire-proof iron safes, with hollow chambers filled with chemical salts.
- 508 FISHER, J. N. 10 Charles St. Manchester Sq.—Safety boxes for collecting money.
- 509 BAKER, C. Jirah Cottage, Rotherfield St. Islington, Inv.—Fire-proof safe. New hair brush, and pocket tooth brush. Model writing-desk.
- 510 MARR, W. 53 Cheapside, Mann.—Wrought-iron patent fire-proof strong room, secured with the double chamber wheel-action detector lock.
- 516a ROBINDALE, C. High St. Hull, Inv.—Service-box, applicable to every description of water-closet, and not requiring the cistern direct over head.
- 517 CLARK, C. C. Reading, Inv.—Self-acting sanitary water-closet. Self-acting valve-trap.
- 519 HODGES, T. Dublin, Mann.—Church, farm, and altar bells. Brass force and lift pumps, and metal pump. Patent composition pipes for liquids or gas.
- 523 McCULLUM, J. 79 George St. Edinburgh, Inv.—Spirit-meter, for measuring liquids by index.
- 524 GURZ & CHREMS, Rotherham Brass Works, Mann. and Pat.—Tubular water-closet: inv. and registered by W. Kirkwood, of Edinburgh. Hydrant, or fire-cock, for extinguishing fires, and for street cleansing: patented by J. Bateman and A. Moore, of Manchester. High-pressure bib, ball, stop, and double-valve cock.

CLASS 22. *General Hardware, including Locks and Grates.*

564 GUEST, J. & W. Little Hampton St. Birmingham, Mann.—Gilt ware: Cornelian and onyx tazzas, inkstands, chandelier bell, candlestick, chateleines, &c.

565 WISS, R. 38 Charing Cross, Inv. and Mann.—Patent, self-acting, portable water-closet.

566 ABBEY, J. 29 North St. Hackney, Inv. and Mann.—Improved water-closet, fitted up on improved principles, and fixed without nails, screws, or brads.

567 MARSDEN, C. Waterloo House, Kingsland, Inv. and Mann.—Patent ventilated thimbles. Ventilating boots and shoes. Registered funnels for naphtha, spirits, &c. Propelling apparatus, &c.

568 CHAMBERS & ROBBINS, 47 Carey St. Lincoln's Inn Fields, Mann.—Portable water-closet, with improvements.

569; 463 LAMBERT, T. New Cut, Lambeth, Inv.—Diaphragm valve and stop cocks. High-pressure ball or cistern valve. Self-closing valve-cocks. Economic lamp. Water closet, &c.

570 TRINDALE, E. O. D. L. Scarborough, Inv.—Imperial mangle, with horizontal spring pressure: registered. Napkin press.

571 REID, J. 10 Thornton Pl. Aberdeen, Des. and Inv.—Model of a bathing, washing, wringing, and mangling machine. Self-acting cradle.

572 SPUTZNER, J. Banbury, Inv. and Mann.—New lever mangle, with elastic band pressure. Improved portable mangle, &c.

573 FRYER, R. 4 Wood St. Spitalfields, Inv. and Mann.—Washing, wringing, and mangling machine. Double-acting washing machine. Models to illustrate the same.

574 BAKER & Co. 65 Fore St. Cripplegate, Inv. and Mann.—A revolving mangle.

575 MACALPINE, W. Hammer-smith, Inv.—Machine for washing linen or cleaning rags for making paper. Patent revolving vessel, with steam apparatus for washing heavy goods.

576 KENT, G. 329 Strand, Inv. Pat. and Mann.—Rotary knife-cleaning machine. Triturating strainers. Rotary cinder-sifter.

577 MOKKON, J. New Vauxhall, Wolverhampton.—Mangling machine.

578 GIDNEY, J. W. Dereham, East Norfolk, Inv. and Mann.—Models of improved wire fence, and portable iron sheepfold. Ornamental castings, for gates, palisading, &c. Door, with lever spring-drop, to exclude the draught: invented and registered by M. Gardiner, of Ashill, Norfolk. Hemispherical stove: designed, registered, and manufactured by Barwell & Co. of Northampton.

579 WATTS & HARTON, 61 Shoe Lane, Holborn, Mann.—Pewter articles, moulds. Warmer and cooler for confectioners' counter. Collection or communion plate. Brass castings, &c.

580 BAKER, W. 14 Allen St. Goswell St. Mann.—Awls, bodkins, steels, &c. for shoemakers, carpenters, &c.

581 FARROW, C. 18 St. Tower St. Mann.—Machines, &c. used in the management of wines and other liquors.

582 HALE, J. Walsall, Mann.—Spring curb hooks, for bridle-bits. Steel spring swivels. Polished steel pole and trace-chains, for pair-horse carriage. Buckles. Fancy chain dog-collars.

583 ROBERTSON, H. Milngavie, Scotland, Inv.—Cutter gauge, for cutting a square. Machine for washing yarn. Trap for shooting pigeons. Rat-trap.

584 POPP, W. Bridge St. Exeter, Mann.—Felt, for pump valves and for shoeing horses; also for polishing marble and for back collars of carriage-wheels, &c. Furnace for consuming smoke, with apparatus for producing naphtha.

585 M'CLURE, J. Galloway House, Garlieston, Scotland, Inv.—Model of a swing door, without the use of springs or pulleys.

570 GREEN, C. 2 Portland St. Brighton, Inv.—Machine for cutting bread.

571 GRAY, J. Dunbar, Scotland, Mann.—Pattern of traps for killing rabbits, &c.

572 ENGLISH, J. Bypass, Essex, Mann.—Fumigating apparatus for killing and capturing insects.

573 BRADNACK, I. R. Gt. Yarmouth, Inv.—Summer skates, adapted for a macadamised road, &c. Improved knocker, letter-plate, &c. for a door.

574 BURROWS, T. Barnsley, Inv.—Bed-joint, to supersede the use of the screw.

575 COOK, T. Ann St. Plumstead, Inv. and Mann.—House alarm for doors or windows, and gardens or shrubberies.

576 ARMSTRONG, J. jun. 10 Pollen St. Maddox St. Regent St.—Dressing and other combs.

577 HAYNES, J. 88 St. James's St. Inv.—Apparatus for extracting corks.

578 KNIGHT, T. W. 33 Regent Ter. Widoomb, Bath, Inv.—Bolt for folding doors, which fastens on closing the right-hand door.

579 BISHOP, Rev. J. M.A. 11 Canterbury row, Kensington Rd. Inv.—Rotary cinder sifter.

580 CLARK, G. R. 2 Somerset Pl. Kensington, Des.—Designs for chairs in ornamental iron-work.

581 JERKINSON, J. 21 President St. Goswell St. Inv.—Improved blind roller and spring bracket.

582 MOORE, J. 38 Clerkenwell Close, Prop.—Patent lever ventilator for windows.

583 AZULAY, B. Rotherhithe, Inv.—Improved patterns for Berlin work, &c. Hot water bath, gas-stoves, copper, &c. Window-roller bracket spring.

584 WENHAM LAKE ICE Co. 164A Strand, Mann.—Ice safe or refrigerator, lined with the patent glass enamel. Syphon water filter, Inv. by Alfred Bird.

585 GREEN, A. 27 Upper George St. Edgeware Rd. Inv. and Mann.—Protective syphon chimney-pot.

586 BENTLEY, W. H. Bedford, Inv. and Mann.—Garden irrigator; Cooking apparatus; self-acting kitchen-range; apparatus for sweeping chimneys; universal tea-kettle; alarm lock; registered stove; improved coffee-pot; and filtering cistern.

587 HUGHES & KIMBER, 106 & 107 Shoe Lane, Fleet St. Mann.—Copper-plate for line engraving, hard and polished. Steel-plate for mezzotinto engraving, invented by R. Hughes.

588 MITCHELL, J. Stonehaven, Scotland.—Pipe fittings in tin-plate, German silver, and sterling silver. Malleable iron tobacco pipe, invented by the exhibitor.

589 HAMFORD, J. 448 West Strand, Co-Prop. and Agent.—Fire escape, &c. Williams's temporary rudder. Scott's door spring. Nash's air-tight jar. Joyes's tea-urn.

590 GRAY, J. 11 Inverleith Row, Edinburgh, Inv.—Registered gravy-dish, for separating the liquid fat of roasted or boiled meat from the gravy at table.

591 HANSON, J. Huddersfield, Inv. Pat. and Mann.—Samples of patent manufactured lead.

592 BIDDULPH, J. Cwm Avon, Pribach, Wales, Mann.—Flange railway and other bars. Coke and charcoal tin-plate, assorted. Canada plates and sheet iron, &c. Specimens of naphtha. Crystallized sulphate of copper and iron. Acetate of lime and lead. Sugar of lead.

593 TAYLOR, J. Wolverhampton, Inv. and Mann.—Bramah locks. Improved balance detector lever locks. Barton's chest and latch till-lock.

594 CUNNINGHAM, A. E. Addison Rd. Kensington, Inv. Registered knife-cleaner and sharpener.

595 FARRAR, W. Leicester.—Zinc fountain, made by hand, and without the aid of casting or stamping. Improvement for sash windows. Cylindrical bed-warmer, &c.

CLASS 22. *General Hardware, including Locks and Grates.*

- 632 **BEAVER, W. J.** Watling St. Mann.—Patent oven, having the heating apparatus within.
- 633 **BURNET & BELLAMY**, Mill Wall, Poplar—Des. and Mann.—Tanks for water, biscuits, oil, and paint. Cistern and barrel for oil, tar, spirit, &c.
- 634 **MASTERS, T.** 309 Regent St. Inv. and Mann.—Freezing, heating, and cooling apparatus. Knife-cleaning machines. Aerating machines. Anti-corrosive self-acting taps, &c.
- 635 **HART & SON**, 53, 54, & 55 Wych St. Strand, Mann.—Door-knobs and finger-plates in brass, china, glass, &c. Dr. Arnott's ventilating chimney valves, improved.
- 637 **RIDDLE, W.** East Temple Chambers, Inv.—Ever-pointed pencils. Reservoir pen. Signal lamps. Railway buffer. Railway carriage lighted by compressed coal-gas. Steam fire-cocks and pipes for ships. Circular lens for lamps, &c.
- 638 **NAYLOR, J.** 121 Radnor St. Hulme, Inv.—Lamps for pillars resting on the ground; and for brackets affixed to the wall.
- 639 **COXETER, J.** 23 Grafton St. East, Mann.—Surgical instruments, &c.
- 641 **COALBROOK DALE CO.** Coalbrook Dale, Inv. Des. and Mann.—Iron and bronze castings. Ornamental park entrance of cast-iron, bronzed, consisting of a pair of principal gates, and two side gates, hung on iron pillars of new construction: each of the four gates was cast in one piece. Ornamental rustic dome of cast-iron, bronzed, 20 feet in diameter by 30 feet high; adapted for glazing, as a greenhouse, &c.; it contains an iron casting of the Eagle-slayer, and is surmounted by a statuette of *Ceolus*, by John Bell. Ornamental fountain of cast-iron, bronzed, seven feet wide by eight feet high, of Cupid and the Swan: the group forms the jet, and occupies the centre of a tazza, decorated with an ornamentation of the white and yellow water-lily: English design; John Bell. Ornamental chimney-piece and grate, with decorations illustrative of deer-stalking, boar-hunting, and hawking; enriched with a bronze group of the Death of the Stag, modelled and chased by B. W. Hawkins, general designer. Bright ornamental grate, composed of burnished and sprung steel front, with electro-gilt ornaments, novel panels and mouldings, and a marble mantel-piece: English design: C. Crookes. A large collection of stoves, grates, ranges, fenders, &c. Ornamental work. Collection of small works in foreign design; and groups and statuettes of English design, by B. W. Hawkins and John Bell.
- 642 **MILNER & SON**, Liverpool, Manchester, and 47A Moorgate St. Pat. and Mann.—Milner's patent holdfast and fire-resisting safes.
- 643 **DAVIS, C. C.** 12 Walcot St. Bath, Inv. and Mann.—Portable waterfall; a metal vessel of large capacity, for cleansing water-closets, sewers, &c.
- 643 **DAVIS, J. B.** 63 Boupell St. Inv. and Mann.—Registered valve for steam, water, gas, or any other fluid, called a clear-way valve.
- 645 **MILLER & SONS**, 179 Piccadilly, and 370 Oxford St. Inv. and Mann.—Patent Admiralty regulation lights. Ship, carriage, railway, police, and reading lamps.
- 646 **CHUBB & SON**, 57 St. Paul's Churchyard, Inv. Pat. and Mann.—Patent detector locks and latches, Norman, Gothic, Elizabethan, &c. Quadruple and rim locks; and fire-proof safes.
- 647 **HAYWOOD & SON**, 20 St. James's Walk, and Suffolk St. Clerkenwell, Mann.—Locks; specimens of gilding and engraving applicable to fancy brass foundry.
- 650 **FORSTER, R.** 1 York Pl. St. George's East, Inv.—Self-acting detector lock.
- 650 **BIGFORD, H.** Wolverhampton, Inv. and Mann.—Improved detector-lock.
- 651 **GOLLOP, J.** Wellington Foundry, Charles St. City Rd. Mann.—Patent rising and not-rising spring, swing, and other hinges for doors or gates.
- 652 **BRAMAN & CO.** 124 Piccadilly, Inv. and Mann.—Assortment of patent locks, with illustrations of their construction. Very fine ornamental iron castings.
- 654 **GIBSON, J. JUN.** Wolverhampton, Mann.—Improved locks, for doors, drawers, park gates, &c.
- 655 **CARPENTER & TILDENLEY**, Willenhall, near Wolverhampton, Mann.—Carpenter and Co.'s, Sanders', Tildesley's, and Brillies' patent locks. Rock's patent Gothic case locks. Curry-combs, horse-scrappers, &c.
- 655 **MORSON, Prof.** Royal Veterinary College, Inv.—Medicated cotton for setons. Galvano-arsenical apparatus.
- 657 **TILDENLEY, J.** Willenhall, near Wolverhampton, Inv. and Mann.—Registered and other latches. Iron and brass padlocks. Door-bolts. Mortise sash locks and latches.
- 659 **SMITH, S.** Willenhall, Staffordshire, Inv. and Mann.—Iron and brass locks, for doors, furniture, and shops.
- 660 **HARLEY, G.** Warwick St. Wolverhampton.—Patent detector locks.
- 663 **AUBIN, C.** Wolverhampton, Inv. and Mann.—Specimens to illustrate the rise and progress of the art of making locks. Miniature specimens, by H. and F. Aubin. Original method of ornamenting tin goods and panes of glass.
- 664 **YATES, H.** St. John's Sq. Wolverhampton, Inv. and Mann.—Locks for trunks, drawers, &c.
- 665 **LEA, W. & J.** Wolverhampton, Mann.—Fasteners for sashes; alarm bells; Gothic hinge; handles for locks; latches; locks, bolts, &c.
- 666 **STURK, J.** Salop St. Wolverhampton, Mann.—Engineers' anvil, smiths' vice, and timmen's anvil.
- 667 **WHITESHOUS, C. & CO.** Wolverhampton, Inv. and Mann.—Tubes and fittings for steam, gas, and water. Amalgamated Swedish iron, for gun-barrels.
- 668 **CLARK & CO.** Wolverhampton, Pat. and Mann.—Patent enamelled iron-ware. Patent cast-iron hinges, coffee-mill, and crimping-machine.
- 668 **TUCKER, W. H.** East St. Taunton, Inv.—A double-action detector lock, that can be opened only by the proper distinctive key.
- 669 **MORSTON & LANGLEY**, 23 Bush Lane, City, and Wolverhampton, Prop.—General hardware, for home, colonial, and foreign markets, with imitations of foreign goods.
- 669 **WHITLEY, J.** Ashton, near Warrington, Mann.—Case of wrought-iron hinges.
- 670 **WALTERS, B. & P.** 100 North St. Wolverhampton, Mann.—Patent locks, for furniture, doors, &c.
- 671 **PEARCE, W.** 50 High St. Dumfries, Scotland, Inv.—Safety lock.
- 673 **LEWIS, G.** High Cross St. Leicester, Inv. and Mann.—Lock, with newly-invented circular levers and self-dividing bitted keys.
- 674 **HORROX, A.** Ashburton, Devon, Inv.—Locks on new principle, applicable for all doors, dock gates, &c.
- 675 **DOWNS, W.** Long Melford, near Sudbury, Suffolk, Inv. and Mann.—Improved twelve-bolt lock, to be fastened on the centre of a door, three bolts shooting each way.
- 676 **OSMOND, G.** 19 Somers Pl. East, New Rd. St. Pancras, Inv.—Improved fittings for roller blinds, &c. Spring latch. Bolts. Sash-fastener. Patent centres for swing-glasses.
- 676 **COCHRANE, A.** 17 Bryanstone St. Bryanstone Sq. Inv.—Patent lock, to be entitled the "Catch-key Lock." Smoke condenser, air-conductor, and animal food and vegetable preserver.
- 677 **BOULTON, B.** Hull, Inv.—New backfasteners, for window-shutters.

CLASS 22 *General Hardware, including Locks and Grates.*

678 BAKWELL & SON, 46 Bishop St. Dublin, Mann.—Wrought-iron double-cessed safe, with secret lock. Hall-door and desk lock. Iron-rim lock, for prisons, &c.

679 WISSON, R. 5 Coburg St. Inv. and Mann.—Secret drawn lock. Padlock, with key. Secret padlock, to act with dial hands.

680 BOORBYER, J. H. 14 Stanhope St. Clare Market—Venetian ventilators. Three-bolt mortice and rim locks. Various other locks, fastenings, &c.

681 BARNES & SON, 27 Wood St. Westminster, Inv. and Mann.—Improved mortice night bolt for bed, dressing, and bath rooms.

682 TAYLOR & SON, Loughborough, Leicestershire, Mann.—Improved bells and bell-framing.

683 MURPHY, J. 15 Thomas St. Dublin, Mann.—Two church bells, weighing respectively about 28 cwt. and 7 cwt. cast in tune from the furnace without any artificial tuning or chipping.

684 MEARS, C. & G. 267 Whitechapel Rd. Mann.—Hemispherical bell, five feet in diameter.

686 FEATHAM, MILLER, & SAYER, 9 Clifford St. Bond St. Des. and Mann.—Fire grates, stoves, fenders, &c. Locks, finger-plates, fire-irons, &c.

690 RODGERS & SONS, Sheffield, Mann.—Sportsman's knife, containing eighty blades and other instruments. Sportsman's knife, three-quarters of an inch long, containing fifty-six blades and other instruments. Specimens of table and pocket knives of all descriptions, scissors, razors, &c. showing the several stages of manufacture, from the raw material to the finished goods.

691 MOTTRAM & HAWKIN, 15 Carr Lane, Sheffield, Mann.—An assortment of shoes, butchers', cooks', weavers', bread, palette, putty, glaziers', and farriers' knives, &c.

692 SAYNER & SONS, 13 Edward St. Sheffield, Mann.—Pruning and budding knives, for the use of gardeners, &c.

693 WHITTLES & PROBERT, 100 West St. Sheffield, Mann.—Surgical instruments and penknives.

736 BOTTIN, C. Crawford Passage, Clerkenwell, Inv. and Mann.—Patent protector gas-meter, for preventing fire-damp, &c.

737 ALDRIDGE, J. M. 20 Nelson St. City Road, Inv.—Double-action spring centre and top pivot for doors.

738 ARCHER, H. Gov. School of Des. Sheffield, Des. and Modeller.—Model in plaster, for execution in silver of a plateau or sideboard dial.

739 ARTHUR, MARY SUEWAY, Caldercruick, Airdrie, Scotland, Des. and Mann.—Vase of novel artificial flowers, showing a new application of silver and silk combined.

740 BENNETT, T. H. Blandford, Dorset, Mann.—Wire buttons for under clothing, manufactured solely by hand.

741 BALEWELL, J. Birmingham, Mann.—Gold jewellery. Gilt and Black ornaments. Spectacles. Monument, in black glass, "to the late Sir Robert Peel."

742 BIDDLE, J. 23 Victoria St. Birmingham.—Seals, pen-holders, letter-clips, book-clasps, and mountings.

743 BARNON & SON, Prop.—A variety of locks for doors, drawers, safes, &c. on various principles. Fancy keys.

744 BARKER, J. 1 Adelaide Pl. Crayford, Kent, Prod.—Metallic casts for printing silks, shawls, fancy paper, card backs, &c.: patented.

745 BRITTEN, J. 28 Alceston St. Birmingham, Inv.—The ever-boiling range. An inversion steam-kettle. A vertical roasting-jack, simple and cheap. Improved door-fastening. Stanhope door-spring, &c.

746 BELL, J. Sheffield.—Silver fruit knives.

747 BRISBARD, H. Howard St. Birmingham, Mann.—Mother-of-pearl studs and buttons, black pearl ditto. Slides, and ornaments for dresses, &c.

748 BOAKE, J. F. 11 and 12 Wellington Quay, Dublin,

Inv.—Model of signal post; signal lantern; lighting case, &c. Table lamps, with pillars made of bog oak.

749 BADON, DEXLEY, & CO. Dudley, Mann.—Flat rivet chain. Wood and stub flat chains, &c. for mining purposes. Improved vice. Manufactured by J. Wilkinson.

750 BIDDLE, G. A. 23 Montpelier Sq. Knightsbridge, Inv. and Pat.—Gas burners, which regulate themselves to the pressure, keeping the flame at any desired height.

751 COTTAM & HALLER, 2 Winsley St. Inv. and Mann. Enamelled manger, rack, and water trough, for horses. Park gates. Designs in iron for staircase railing, &c.

752 CARTWRIGHT & HIBSON, 139 and 139 Gt. Charles St. Birmingham, Des. and Mann.—Electro-plate on German silver: waiter, liqueur and crust-frames, salad or fruit-stands, sugar, cake, fruit and card-baskets, &c.

753 CHAMBERS, G. & CO. Studley, Warwickshire, and 14 Gresham St. London, Mann.—Needles in their different stages, from the rough material to the finished article. Fancy needle boxes, crochet cases, &c.

754 COLVERWELL, W. 16 Charlotte St. Blackfriars Rd. Inv.—Registered portable domestic vapour bath.

755 CORNFORTH, J. Berkeley St. Wire Mills, Birmingham, Mann.—Specimens illustrative of the manufacture of iron and other wires. Steel-wire. Soft and hard tinned wire. Coppered iron-wire. Wire nails of various sizes and forms.

756 COMMON, J. Melrose, Scotland, Inv. and Mann.—Slide ball-cock, capable of standing a great pressure of water.

757 CARTWRIGHT, D. Leek, Prop.—Alarm lock; on an attempt being made to pick it, a bell rings, and when the bolt is shot a pistol is fired.

758 DAVIS, J. B. 63 Roupell St. Lambeth, Inv.—A clear-way valve or cock: registered.

759 DAVEN & DUMBLETON, South Town, Yarmouth, Inv.—Working model of a stone filter, in a slate cistern.

760 FIRTH, T. Eliza St. Belfast, Ireland, Prop.—Registered model fire-box, with hollow fire bars, for locomotive and other furnaces.

761 FIRTH, T. Belfast, Prop.—Fire bar, for locomotive and other furnaces, &c. Registered by James Firth.

762 GLADSTONE, T. M. Duke's Dock, Liverpool, Inv.—Patent galvanized iron sarcophagus.

763 GREEN, F. W. East Rd. City Rd. Inv. and Mann.—Safety and other locks. A simple and cheap spring hinge.

764 GARDNER, H. & J. 453 Strand, Mann.—Oil chandelier, 24 light brass or-iron, 7 feet 6 inches high, 6 feet 6 inches diameter, weight 15 cwt.

765 HOCKER, C. 38 Duke St. Manchester Sq. part Owner and Agent.—Carson's patent meat preserver, to salt a joint in ten minutes.

766 HOBBS, T. Cleveland St. Birmingham, Inv. and Mann.—Collection of hinges for the American market, &c.

767 HARDMAN, J. & CO. Gt. Charles St. Birmingham, Mann.—Silver metal gilt, parcel gilt, and brass vessels and utensils of various kinds used in churches; enamelled, set with stones, plated, pierced, and engraved. Glass mounted crucets. Vases for flowers. Prayer-books in various bindings, &c. Specimens of wrought-iron work, &c. Casket of jewellery, consisting of girdles, brooches, crosses, earrings, &c. Painted glass windows: the glass manufactured by Lloyd and Summerfield, Birmingham; and Hartley and Co. Sunderland. Embroidered robes, hoods, capes, girdles, &c. Various specimens of embroidery, chain stitchings, silks, laces, &c.

768 HOFFMAN, J. Prop.—Ice-freezing machine.

769 HARRISON, W. Fisher St. Birmingham, Mann.—Bright and tinned, round and oval, frying-pans and bake-pans. Havana sugar-moulds, &c. for, roasting, sugar,

coated with patent glass enamel, &c. Sugar bowls and skinners.

770 HOPKINS, R. P. WIMBORNE, Dorset, Des.—Open fancy brass front-door knobs, lined with china and opal glass. Finger-plates, lined with silvered enamelled blue glass.

771 HUPFER, J. 20 Wilderness Row, Clerkenwell, Inv. and Manu.—Detector and chest lock, secret action. Locks for desks, trunks, portfolios, drawers, and carpet bags.

772 HUGHES, H. 72 Charles St. City Rd. Inv.—Patent gauffring machine.

773 HULETT, D. 55 High Holborn, Manu.—Cut chandeliers. Butter's ventilating gas chandeliers. Gas meter. Antique candelabra. Gas cooking stove, &c.

774 HARDISTY, W. Providence St. Wakefield, Inv. and Manu.—Machines for washing, wringing, and mangling.

775 HUTTON, J. Ridgeway, Sheffield.—Specimens of iron and cast steel, welded together under a water or steam-power hammer, for scythes, &c. Street door and window protection, of cast steel and iron. Berkshire hook, for cutting down the harvest. Pair of cart axles, with revolving spherical bushes, to reduce friction. Cutting instruments, with cast-steel edges.

776 JAMES, J. Bedditch, near Worcester, Manu.—Needle-boxes, furnished. Needles and fish-hooks in the various processes of manufacture.

777 JEAKE, W. 51 Gt. Russell St. Inv. Des. and Manu.—Improved ventilating stove grates, the heating surfaces of which are composed entirely of pure fire loam. Improved grate, to be fixed in the chimney-piece, exhibited by Mr. Thomas, of Paddington.

778 JOHNSON & CO. Sheffield, Manu.—Patent bright steel reflecting stove-grate and white marble chimney-piece. A burnished steel register-stove, ornamented with twisted steel mouldings, gilt coronet, and silver feathers. Patent air-stove. Laxton's parlour cooking-stove.

779 KNIGHT & FOSTER, 5 Bastcheap, Inv.—Paxton steel pens; Bank of England pens; swan pens; correspondence pens; anti-corrosive pens.

780 KIRBY, BRAND, & CO. 46 Cannon St. Manu.—Pins, all of one piece, made at Gloucester. Needles and fish-hooks, made at Crendon, Bucks.

781 KEITH, G. 36 Piccadilly.—Ling's patent ice-safes for the preservation of all kinds of provisions, loeing wines, water, &c. Gablen's ice-box. Registered ice-plane. Coffee or chestnut roaster. "Magic mirror." Liquid meter.

782 LEE, G. 90 Church St. Paddington, Inv. and Manu.—Spring-shank self-adjusting button. Embossing iron, to finish woollens, linens, cottons, silks, velvets, &c.

783 LORRIN, J. 68 Basinghall St. Inv.—Patent egg-beater.

784 LOSH, WILSON, & BELL, Newcastle-on-Tyne, Manu.—Cast-iron gas pipe, 36 inches diameter, and $\frac{1}{2}$ of an inch thick, moulded by machinery.

785 LEALE & ALBRECHT, 4 Lichfield St. Soho, Des. and Manu.—Cakes and jelly moulds.

786 LINDLEY & SONS, 34 Stanley St. Sheffield, Pat. and Manu.—Patent circular double-blast bellows. Improved circular bellows. Improved portable forge, &c.

787 LOWDEN & CO. Sheffield, Des. and Manu.—Improved cooking apparatus. Ornamental warm-air gas stove. Specimen stair balusters, &c. Gallery front for entrance hall, &c. Perforated pedestals for hot-water pipes.

788 MARRIAN, J. P. Birmingham, Manu.—Specimens of bronzed scroll ornaments. Specimens of naval brass foundry, consisting of ship-scuttles. Glass deck lights. Gun-hole screw valves. Ordnance metal pulleys, with anti-friction rollers, &c.

789 MITCHELL, J. Redruth, Cornwall.—Improved pistol, Newly-invented safe lock.

790 MOORE, EMILY, Bere Regis, Blandford, Dorset, Manu.—Fine thread shirt-buttons, manufactured by the hand.

791 MORRISON & PARKER, Rockinghamshire St. Sheffield, Manu.—Carpenters' braces and centre bits; spirit levels, gauges, saw pads, augers, and other tools.

792 MAUND, E. 370 Oxford St. Prop.—Cast-iron vase stove, radiating vertically; smoke descending.

793 MAYO & BATES, Wolverhampton, Manu.—Door-lock keys, in different stages of manufacture.

794 NIXEY, W. G. 22 Moor St. Soho, Inv.—Patent till, to prevent fraud, &c. Fire escape Flexible cement, to fasten metal, marble, glass, &c. to wood, or to each other.

795 NICKLIV & SWEATH, 57 Bradford St. Birmingham, Manu.—Copper, brass, and iron weaving; fine drawn brass and copper wire; strong iron weaving; brass wire cloth, as used for paper-making machines.

796 PALMER & SON, North Wood St. Birmingham, Des. and Manu.—Specimens of magneto-plate salver. Liquorr frame with grotesque handle. Knives, forks, and spoons.

797 PYKE & SONS, Dorrington St. Manu.—Bronze tea urns and swing tea-kettle, of new designs.

798 RIDLEY & EDSER, Vincent Sq. Westminster, and St. James's Ter. Vauxhall Bridge Rd.—Working model, showing patent safety doors and apparatus.

799 ROBSON & HOOLE, Green Lane Works, Sheffield, Manu.—Cast-iron register-stove, invented and registered by John Finlay, Buchanan Street, Glasgow, for curing smoky chimneys, and economising the consumption of fuel. Other stoves, fenders, &c.

800 ROGERS, J. W. 88 St. James's St. and 1 Nottingham St. Dublin, Inv. and Pat.—Dedoring chamber, for use in public places; the peat charcoal used is converted into a most valuable, dry, inodorous manure. Portable kiln, for malt, grain, hops, &c.

801 SEARS, E. 2 York St. Middlesex Hospital, Des. and Manu.—Coffee filterer and small cooking apparatus, with spirit lamp.

802 STEWART, C. Bell St.—A playing ornamental fountain.

803 SKELTON, S. & R. Sheffield and Attercliffe, Manu.—Shovels and spades for various uses. Draining-tools.

804 SMITH, KEMP, & WRIGHT, 165 Broarley St. West, Birmingham, Manu.—Buttons of gold, silver, brass, gilt, papier-maché, mother-of-pearl, &c. Registered shirt studs of gold, silver, gilt, pearl chased, enamelled, and engraved.

805 SPURRIER, W. Birmingham, Manu.—Electro-silver and gilt services; table and chamber candlesticks; cake-baskets; cruet-frames; mounted jugs; spoons; forks and knives.

806 SHRAES & SONS, 27 Bankside.—Inv. and Manu.—Patent dry gas meter.

807 SPENCER & SON, Newcastle-upon-Tyne, Manu.—Baillie's patent volute springs, for railway and other purposes.

808 TONKIN, J. 315 Oxford St. Des. and Manu.—Ornamented iron bedstead, of the Italian order, with registered spring lath bottom.

809 TURNER, HARRIET, & CO. Sheffield, Manu.—Fire-irons of various descriptions, elaborately cut and ornamented.

810 TURNER, E. W. K. 31 Praed St. Paddington, Inv.—Model to illustrate the application of centrifugal force to the purification of water, for the supply of cities, towns, &c.

811 TERRY, R. & SON, Temple St. Wolverhampton, Manu.—Copper, tin, and japanned wares.

812 THE PATENT POINTED SCREW CO. Wolverhampton, Manu.—Patent pointed screws, cast out of malleable iron which can be driven into wood without boring holes.

CLASS 22. *Works in Precious Metals, Jewellery, &c*

- 813 WHITLEY, ELIZABETH, 12 Norwich St. Sheffield Park, Mann.—Cast steel scissors.
- 814 VAUGHAN, G. H. 4 Westmoreland St. Gt. Maryibone St. Mann.—Machine for setting the teeth of saws.
- 815 WINDLE & BLYTH, Walsall, Pat. and Mann.—Model of Strutt's patent door-lock. Registered locks. Corkscrews. Patent compensating and other steel pens.
- 816 WOODHOUSE, J. 39 Lower Ormond Quay, Dublin, Mann.—Gilt and plated buttons. German silver letters and figures. Brass mountings for military accoutrements.
- 817 WHITE, T. Jun. Thorpe Heeley, Sheffield, Inv. and Mann.—Improved hooks for firing gas and water-pipe. Improved horse-nails. New wrought-iron nails for ship-builders, carpenters, &c. Improved rivets.
- 818 WARDER, J. jun. Old Church Works, Birmingham, Mann.—Springs, axles, &c. Engineers' vice. Patent vice, with spherical washers. Vice, with solid brass box. Smith's anvil. Specimens of fugotated iron.
- 819 WILLIAMS, W. & Co. Pentwyn and Golyfos Iron Works, Pontypool, Mann.—Wrought-iron railway bars, each 25 feet long, 45 lbs. per yard.

CLASS 23. *Works in Precious Metals, Jewellery, &c.*

- 1 ELKINGTON & MASON, New Hall-street, Birmingham.—Specimens of electro-plated candelabra, tazens, vases, table-ware, &c.
- 2 MARTIN, BASKETT, & MARTIN, Cheltenham, Mann. and Des.—Centre-piece, with figures. Milton inkstand; toilet-stand. Tea and coffee service. Large model of a Great Western steam-engine. Rich Bohemian glass claret jug. Chatelaine in gold and enamel. Pearls, ornaments, gold chains and jewellery, manufactured by C. Sparrow, London. Chronometer and other watches in their different stages of manufacture. Time-keeper, newly-invented alarm, &c. invented by E. Burgess, Clerkenwell Green.
- 3 REID & SONS, 14 Grey St. Newcastle-upon-Tyne, Mann.—Silver goods: Chased claret jug, basket, and tea and coffee service; pierced and engraved basket, centre-piece, &c.
- 4 PAYNE & SONS, 31 Old Bond St. Bath, Prod.—Vase in silver, after a marble antique in the Capitoline Museum.
- 5 WALL, T. Stokes Croft, Bristol, Des. and Mann.—Original design in hair-work. Ladies' guard; bracelets, &c.
- 7 GREENWELL, J. Whitby, Mann.—Silver tea-pot, coffee-pot, and tea-kettle, weighing, together, only 140 grains.
- 8 GREENBURY, I. Whitby, Mann.—Jet necklaces, bracelets, brooches, candlesticks, pincushion, likeness-stand, earring. Rough jet, &c.
- 10 TOCKER, J. T. Exeter, Inv.—Registered universal brooch protector.
- 11 HARDING, J. St. David's, Exeter, Des. and Inv.—Gold and silver bracelets, with secure snap.
- 12 ELLIS & SON, Exeter, Des. and Mann.—Eight-day carriage time-piece, with duplex escapement and compensating balance. Safety chain brooches. Silver-wire gauze card-basket, &c. Silver plate, spoons, forks, &c. Devonshire granite knife-handles.
- 13 SOBRY, W. R. Queen St. Exeter, Mann.—Silver gravy, table, dessert, tea and other spoons; knives and forks; sugar-sifter, sugar-tongs, &c. Model of machine and dies.
- 15 WEST & SON, J. Dublin, Mann.—Jewellery, embellished with Irish pearls and other gems, copied from antique Irish ornaments.

- 16 CONNELL, D. 10 Nassau St. Dublin.—Cup, carved, with designs from scenes at Donnybrook fair. Brooches, bracelets, &c., of Irish bog oak, mounted in Wicklow gold and Irish diamonds. Book-stands, card-cases, &c., of arbutus wood, from the lakes of Killarney.
- 17 MCKEY, J. 46 Wicklow St. Dublin, Des.—Carved basket, in white and red Irish bog yew, with subjects in alto-relievo.
- 20 WATERDOCK, G. & S. 25 Dame St. Dublin.—Registered brooches, adapted to cloaks and shawls, from the mineral products of Ireland.
- 21 NICOLL, W. Prince's St. Edinburgh, Mann.—Gold pens, pointed with iridium.
- 22 WRIGHTSON & SON, 17 Queen St. Edinburgh, Mann.—Highland dirk, Cairngorm stone. Letter presser, with silver deer handle.
- 23 MARSHALL & SONS, 87 Gt. George St. Edinburgh, Mann.—Accoutrements for a Highland dress, with chased silver mountings studded with carbuncles and cairngorms. Silver claret jugs, of antique shape and figure. Scotch pebble trinkets and jewellery.
- 24 RENTIE & SONS, Aberdeen, Mann.—Patent signal-lamps, for steamers and sailing-vessels in distress; R. Rettle, London, inventor and patentee. Gold and silver mounted granite, porphyry, and topaz bracelets, brooches, pins, &c.
- 25 THOMPSON, F. H. 10 Brandon Pl. Glasgow, Mann.—Decanter stand. Coffee-urns. Large centre-piece, with flower-basket, &c.
- 26 BAIRD, W. 73 Argyle St. Glasgow.—Scotch ram's-head, mounted as a snuff-box and cigar-case.
- 27 LESTER & SONS, Newcastle-upon-Tyne, Mann.—Snuff-boxes, card-cases, jewellery, and Highland ornaments. Silver claret jugs. Coffee and tea-pots, &c. Eight-day spring clock, and chronometer timepiece.
- 29 HILLIARD & THOMASONS, Birmingham, Mann.—Silver fish-knives and forks, taper-stands, brooches, bracelets, corals, card-baskets, snuff-boxes, paper and cake knives, &c.
- 31 MARRIAGE, F. Cannon St. Birmingham, Mann.—An épergne, or centre-piece. Etruscan jugs. Antique coffee-pot. Chased salvers. Candlesticks. Chalice. Antique castor frames. Tea and coffee service, &c.
- 32 WILKINSON & Co. 15 Gt. Hampton St. Birmingham, Mann.—Electro-silver plate upon German silver:—Centre-piece, candelabrum, flower vase, tea-urn, venison-dish and cover, &c.
- 33 GOGGIN, W. 11 Parade, Birmingham, Mann.—Electro-plated articles:—Epergnes, candelabra. Fruit and flower stands. Piano candlestick. Waiters, Plateau, &c.
- 34 COLLIER, G. R. Church St. Birmingham, Mann.—A solid silver table-top, 55 inches in diameter, weighing nearly 900 ounces, for the Governor of Aleppo. Solid silver salver; centre ornaments; branches; tripod candelabra; and a large number of specimens of silver work.
- 35 HAWKSWORTH, EYRE, & Co. Sheffield, Des. and Mann.—A silver centre piece, with tripod stand. An assortment of articles, plated on German silver, and electro plated, with silver embossed edges and ornaments.
- 36 BRADBURY & SON, Sheffield, Mann.—Coffee and tea services. Kettles and pitchers, plated and engraved. Plateau. Tea-urn. Antique bread-basket. Candelabrum, &c.
- 37 HARRISON, T. Sheffield, Mann.—A large collection of useful and ornamental articles in electro-plate on imperial metal and nickel silver.
- 38 DIXON & SONS, Sheffield.—Sculptured silver candelabra and épergne, with crystal glass, weighing about 750 ounces; designed by V. Nicholson. Silver and gilt coffee and tea service, with silver salver modelled from a leaf of the Victoria Regia; and other articles in silver and in best Sheffield plate.

- 40 ROBERTS & HALL, Sheffield, Mann.—Electro-plated tea-trays, urns, kettles, and tea services; liquor and crust frames; salvers; baskets, candlesticks, &c.
- 43 PADLEY, PARKIN, & STANFORTH, Sheffield, Mann.—Specimens of silver plated goods of the best quality, plated upon German silver in the ingot, with illustrations of the mode of plating, &c.
- 44 WILKINSON, H. & Co. Sheffield, Mann.—Epergnes, candelabra, tea-urn, coffee-trays, venison, and side-dishes, with covers, tureens, &c. Registered. Silver decanter-stands, bread-baskets, claret jugs, communion plate, cups, candlesticks, coolers, &c.
- 45 CREWICK, T. J. & N. Sheffield, Mann.—Plated articles, with silver mountings. Candelabra. Epergnes and plateaus. Candlesticks, with branches. Venison dishes, &c.
- 46 M'GREGOR, M. Perth, Mann.—Ram's-head, mounted as a snuff-box and cigar-case.
- 47 MEYER & MORTIMER, George St. Edinburgh, Des. and Mann.—Ornaments of Highland regiments. Tartans and kilts. Dirks, purses, brooches, &c.
- 51 BIDEK, J. & F. 37 Cheapside—Solid gold seals and signet rings. Library seal, fine cairngorm, engraved with the arms and badges of the Prince of Wales. Engraving on stone, steel, &c.
- 53 WOODBRIDG, T. 4 Albion Rd. Holloway, Prop.—Chased silver design—Death on the pale horse, after West. The silver 1-32nd part thick.
- 54 RAWLINGS, J. 85 Portland Rd. Regent's Park, Mann.—Imperial miniature frame, mounted and engraved: imitation of or-molu.
- 55 MILLS, M. 17 Ossulston St. Somers Town, Mann.—Embossed and chased salver—subject, Aurora, or the hours, after Guido; border, after the Trezona shell.
- 56 INDEKVIC, J. 58 Prince's St. Leicester Sq.—Carved Meerschmann pipe. Registered pipe tube.
- 57 MORTIMER, W. H. 13 Harley St. Cavendish Sq. Inv.—Mechanism for rectifying irregularities in the growth of the teeth.
- 59 CLEAL, W. 58 Poland St. Oxford St. Mann.—Specimen of working in human hair.
- 60 WARRINER, W. 16 Charlotte St. Fitzroy Sq. Mann.—Or-molu miniature frame, set in crimson velvet.
- 62 LOEWENSTARK, A. D. 1 Devereux Court, Strand, Des. and Mann.—Silver flagrae ancient incense urn, &c.
- 64 GOODWIN, C. Prop.—China vase, mounted in metal gilt. Bloodstone cup, mounted in silver gilt. Pastile burner.
- 65 WHEEDILL, G. V. 1 Gloucester Pl. Prospect Row, Watworth Rd. Inv. and Mann.—Registered fastening for brooches, watch-protectors, &c. self-acting double spring swivels.
- 66 WOLFF, L. J. 45 Upper York St. Bryanston Sq. Des. and Mann.—Desk seal, mounted in gold, set with turquoise, surmounted with large pearl, &c.
- 68 GOWLAND, T. Inv.—Spring catch fasteners for brooches and bracelets.
- 70 BAKEWELL, W. 25 Red Lion St. Clerkenwell, Artist in Hair.—Specimens for lockets, brooches, &c.
- 71 LEE, B. 41 Rathbone Pl. Mann.—Bracelets of human hair and gold. Brooches. Hair-guard chains, &c.
- 72 SNEYMOUS, E. & J. 40 Gerrard St. Soho, Prop.—Small gold vase, with portraits of Her Majesty and Prince Albert on enamel; imitation of cameo, by J. Haslem.
- 73 HOPK, H. T. M.P. 116 Piccadilly, Prop.—Casket, containing a blue diamond, weighing 1.7 grains, mounted as a medallion, surrounded by brilliants, and supposed, from its size and colour to be unique.
- 74 HARDING, G. P. 6 Bartlett's Buildings, Inv. and Mann.—Patent spiral button studs, &c.
- 76 CAMPBELL, A. 43 Tottenham Court Rd. Inv. Des. and Mann.—Cornucopia, being a brooch, flower-holder, and watch protector.
- 77 FORSTER, E. 19 Queen St. Haymarket, Mann.—Silver-gilt table-spoon, representing Jenny Lind as Alice in Robert le Diable. Silver snuff-box.
- 78 EDWARDS, R. 26 Lisie St. Leicester Sq. Mann.—Portraits in enamel of the Queen, Prince Albert, Shakespeare, and the Duke of Wellington. Enamelled Jewellery.
- 79 BUSH, H. 13 Gt. Newport St. Leicester Sq. Des. and Executor.—Medallion, displaying the heraldic devices in incised enamel, on gold and silver, of the nations whose works are shown in the Exhibition.
- 80 ZIMMERMAN, G. & S. 38 Old Bond St. Mann.—Porphyry and malachite casket, mounted in or-molu, with corners set with gems. Silver statuettes of the Queen, and Prince Albert and of Charles the First.
- 83 GARR, S. H. & D. 166 Regent St. Prop.—Silver dessert service, of novel character and design, modelled from nature from water plants in Kew Gardens. Centre pieces; vases; christening cup, with figures by Redgrave. Silvered jewelled dessert set, in Elizabethan style. Brooch, in the style of jewels of the cinque-cento period. Carbuncle and diamond bracelet, with portraits of Her Majesty and H.R.H. the Prince of Wales, after Thornburn, executed in niello, engraved by J. J. Crew. Silver gauntlet niello bracelet, designed by Macleise; and other articles of jewellery. Large vase, composed of human hair: executed by J. Woodley, 31 Curator Street.
- 84 PARAYAGUA & CASSELLA, 3 Brabant Court, Philipot Lane, Imp. and Mann.—Branch of natural rough coral, of great size and value. Carvings, bracelet, necklaces, and cameos, in coral.
- 87 PHILLIPS, Brothers, 31 Cockspur St., Inv. and Prop.—Statuettes, &c. in oxidized silver and gold, &c. chronometer. Watches. Chessmen in gold and silver; enamel, precious stones and pearls, &c.
- 88 ADAMS, G. W. Hosier Lane, Mann.—Dessert service, silver gilt; the same, in silver. Knives, forks, spoons, and various other articles in silver.
- 89 FRENCH & SONS, 5 Newcastle Pl. Clerkenwell Close Mann.—Almondine signet ring, set in gold. Lady's Victoria safety chain. Gold bracelet, earrings, chains, &c.
- 90 HERMANS, A. 4 Oxendon St. Haymarket, Des. and Mann.—Laurel wreath, with imitation of lace, cut with scissors. Bouquets of various coloured hair, in a new style.
- 91 WHEELER, G. & M., 28 Bartlett's Buildings, Holborn, Mann.—Jewellery and trinkets; specimens showing the progress of a gold bracelet from the pure metal to the complete article.
- 92 HARVEY & Co. 126 and 128 Regent St. Prop.—Silver candelabrum, claret and water-jug, from the antique, from designs by Flaxman, &c. Statuette of Mercury, designed by Woodington, &c. Gold watch, invented by S. Boreham, to beat seconds, and to strike at the minute or 60th second.
- 93 WALKER, J. 48 Princes St. Leicester Sq. Mann.—Drawing-room clock, design by C. Grant, with subjects by G. Abbott, in electrotyped case, with base and pedestal of turquoise blue glass.
- 94 SMITH, W. R. 9 Camomile St. Mann.—Richly chased silver coffee-pot, designed by King, chased by Worster. Child's mug, with Wilkie's Blindman's Buff, chased by T. Edwards; another designed by Percy.
- 95 MATTHEWS, E. 46 Berwick St. Soho, Des. and Mann.—Royal arms, &c. of England since the Conquest, engraved on different metals, and emblazoned with sealing wax.
- 96 ROBINSON, W. 70 Wynnyatt St. Clerkenwell, Mann and Pat.—Gilt clock-case, made of electrotype deposited plates, electro-gilt. Other articles showing the uses of electrotype in manufactures.

CLASS 24. *Glass.*

97 HUNT & BOSKELL (late STONE & MORTIMER), 156 New Bond St. Mann.—26 Harrison St. Gray's Inn Rd. Inv. Des. and Mann.—A work in silver, showing its application to sculpture, combined with metallurgical art. A shield, embossed and chased in silver and iron. Vases, presentation plate, centre pieces, candelabras, desert stands, cups, salvers, tazzas, caskets, &c. with designs, &c. by Alfred Brown, A. Veichte, Sir G. Hayter, Frank Howard, Sir F. Chantry, E. H. Bailey, J. G. Craze, H. Armstead, J. Haslem, and Winterhalter. Watches and chronometers, of extraordinary construction. Carriage and other clocks. Specimens of the various precious stones, in the rough and wrought state. Pearls, &c.

98 GARRARD, R. & S. Panton St. Haymarket.—Nautilus cup, tankards, ewers, tea and coffee services, candelabra, centre pieces, table ornaments, and other specimens of gold and silver plate. Jewellery: suites of opals and brilliants; sapphires, pearls, and brilliants; rubies and brilliants; tazzas, bracelets, &c.

99 NASH, E. 30 Coppice Row, Clerkenwell, Des. and Mann.—Silver and gold pencil cases and penholders, engraved and jewelled. A set of silver engraved and gilt instruments for ladies. Gold pens. Tortoiseshell and pearl snuff-boxes, &c. gold and silver, inlaid and mounted.

99 FORREY, A. Mann.—Ornaments worked in hair and gold

100 WIDDOWSON & VREAL, 73 Strand, Mann.—In silver, a centre-piece plateau with candelabra and desert stands. Equestrian statuette of the Duke of Wellington. Sacramental flagon and chalice, &c.

101 GRAY, J. 5 Billiter Sq.—Series, illustrative of the manufacture of plated articles from metal plated in the ingot.

102 LAWRENT & RAWLINGS, Coventry St. Prop.—Candelabrum and desert centre in silver. Silver wine flagon. Soup tureen and stands. Ruby glass cups, after the antique, &c.

103 ANGELL, G. 51 Compton St. Clerkenwell, Mann.—Large vase, in the Etruscan style, illustrative of the progress of civilization. Candelabra, in eastern style. Tea-tray, illustrative of the purposes of the Exhibition, engraved by Donalds. Trifle stand, in the Italian style.

104 MARSHALL, E. S. 31 John St. Tottenham Court Rd. Mann.—Gold-leaf and layers of gold. Illustrations of the malleability of the various metals. Gold beaters' skin.

105 WATKINSON & BACONEN, 16 Henrietta St. Covent Garden, Mann.—A fine old standard gold jewelled vase. Gold brooches, bracelets, necklaces, chains, seals, and rings.

107 MOWLEY & Co. 8 Hatton Garden, Mann.—Gold pens tipped with iridium, and silver pencil-cases, pen-holders, &c.

108 FORREY, W. 54 Strand—Silver-rose-water dish, by Wagner of Paris, being his last work.

109 RADY, H. J. 26 Red Lion St. Clerkenwell, Des. and Mann.—Chessmen. Henry VIII. and Francis I. at the field of the cloth of gold, after Holbein, Titian, &c.

110 SMITH, NICHOLSON, & Co. Duke St. Lincoln's Inn Fields, Mann.—Candelabrum, with figures, by W. Beattie. Testimonial to W. C. Macready, designed by B. Smith and C. Grant. Desert service, with figures, by J. S. Archer. Summerley's art manufacture. Electro-plated goods.

111 ANSELL, J. 10 Strand, Des. and Mann.—Groups in silver, Arab merchants halting in the desert; Sir Roger de Coverley and the gipsies. Chased shields: The battle of Alexander and Darius. Salver: The Labours of Hercules, &c.

112 HANCOCK, C. F. 39 Bruton St. Berkeley Sq. Mann.—Ebony, inlaid silver table and vase. Group in massive silver, modelled by Baron Marochetti, the dogs by M'Carthy, &c.

113 ATTERBOROUGH, R. 19 Piccadilly, Prop.—Silver centre for the table. Card-tray of silver and enamel. A bachelor's tea set. An agricultural prize cup, &c.

114 DOWNS & SONS, 51 Cheapside, Sculp.—Silver tablet, for a Bible binding, *The Spirit of Religion*, after Armitage and Calcott Horsley. Heraldic engraving.

115 HAZEN, F. 40 Kirby St. Hatton Garden, Des. and Mann.—Table and dessert cutlery. Silver table and other spoons and forks.

116 MORR, W. 26 Cheapside, Prop.—Gold and silver ever-pointed pencils, in various styles, set with jewels.

117 MOWEL, J. V. & Co. 7 New Burlington St. Regent St. Mann.—Equestrian stature of Queen Elizabeth, embossed with the hammer, on silver. Centre-piece, in silver, of elaborate design. Oriental agate cups. Lapis lazuli cup. Vase, in rock crystal, mounted in gold and enamel, &c. Bouquet, composed of diamonds, and a great collection of rubies, separating into several different ornaments, &c.

118 ROWLANDS, C. & W. 146 Regent St. Mann.—Brilliant and ruby bracelet, Holbein style. Brilliant and emerald stomacher brooch. Gold and enamel bracelet, with carbuncle and diamonds.

119 ERANOFF, M. 5 Hanover Sq. Mann.—Large silver clock, by Woodington. Desert stands. Gilt candelabra. Gilt plateau, with china racks and medallions. Natural crystal candlesticks. Processes of gold manufacture.

120 SHARP, T. 27 Burton Crescent, Des. and Mann.—Shakespeare cup, with subjects from Lear, Julius Cæsar, The Tempest, Othello, Hamlet, and Macbeth. Electro-plated ware.

121 KEENE, J. 69 Britannia Ter. City Rd. Mann.—Communion services, consisting of flagons, chalices, patens, and offertory basins.

122 DODD, P. G. 79 Cornhill, Prop.—Silver tea and coffee service, with basso-relievo figures. Etruscan silver tea and coffee service. Silver claret jugs, &c.

123 LIAS & SON, Salisbury Court, Mann.—Silver claret jugs, coffee-pots, tea-pots, sugar-basins, cream-jugs, cruet-frames, salt-cellars, &c.

125 SKIDMORE & SON, Coventry, Mann.—Chalices, patens, &c. after examples of the eleventh to the fifteenth century. Ancient modes of binding in silver. Offertory dish; centre from design by Overbeck.

CLASS 24. *Glass.*

4 KIDN, W. 12 Poland St. Oxford St. Inv. and Mann.—New process for illuminating, embroidering, and silvering flat surfaces in glass. The designs are engraved on the under side of the glass.

5 SWINBURNE, R. W. South Shields and Newcastle-on-Tyne, Mann.—Silvered, naked, rough, and Venetian plates of glass. Pressed and coloured auu opaque glass. Perforated glass. Glass domes. Glass pipes. Chemical apparatus. Glass trays, &c.

7 COATHURNS & Co. Nicholas St. Bristol, Inv. and Mann.—Glass water-pipes, plain, jointed, and angular. Glass curtain-poles.

8 FORTER, R. Lewes, Inv.—A reliquary, or box, for small articles, made of slips of glass.

9 WOOD & FERRER, Worsbro' Dale, near Barnsley, Mann.—Glass taps. Ruby épergne, and stand forming a separate fruit and flower vase. Glass inkstand and water-box.

10 MOLDREAVE, WEBB, & Co. Manchester, Mann.—Specimens of cut, engraved, and coloured glass, consisting of jugs, goblets, decanters, finger-basins, glasses, flower and other vases, diabes, centre pieces, &c.

11 THE AIRS AND CALDER BOTTLE Co. Bredit, Edgar, Castleford, near Pontefract, Mann.—Bottles for

dispensing and general purposes, with patent hollow cork and combination stoppers. Glass tablets, with inscription^s in glass. Glass insulators, for electric telegraphs.

12 HAWOCK, RIXON, & DURY, 1 Cookspur St. Manu.—Chandelier of cut glass, carrying thirty-two candles.

13 SHARVATT, J. 7 Lemon St. Union St. Southwark, Des. and Manu.—Desert dish, with ornaments, cut out of a solid piece of glass.

16 MULLER, T. R. 118 Regent St. Des. and Prod.—Glass silvered vases; glass globes, mounted on eagles, Atlases, &c. Silvered by the pat. Varnish & Co. Berners St.

17 JONES & SONS, 5 Ludgate Hill, Des. Inv. and Manu.—Mantle piece girandoles. Cut glass, door handles, and furniture. Cornucopias, &c. Ruby glass decanters, richly engraved. Massive and brilliant cut glass bowl. Superb candelabra, designed for a console table.

18 GATCHELL, G. Anne St. Waterford, Ireland, Manu.—Etagere, or ornamental centre stand for a banqueting table; consisting of forty pieces of cut glass. Decanters. Vases and covers, designed and executed at the Waterford glass works.

19 DAVIS, GREATHEAD, & GREEN, Stourbridge, Manu.—Cut glass decanters, water jugs and goblets, ruby centres and stands, lustres, with ruby and flint drops, cut and enamelled; coloured hook, and other wine-glasses. A great variety of ornamental vases; white, opal, frosted, Malabar blue, and topaz; painted, enamelled, cut, and engraved.

21 RICHARDSON, W. H. B. & J. Stourbridge, Manu.—Cut and plain crystal glass; crystal, cased with coloured glass. Opal, cornelian, chrysolite, and Turkey glass, ornamented in enamel colours, &c.

22 WOOD, T. Stourbridge, Eng.—Blue-cased dish. Champagne bottle; stained ruby bottle; flint decanter; tumbler; ruby hock glass, &c.

23 WILKS, T. Platt's Glass Works, near Stourbridge, Manu.—Various patterns of glass, consisting of bowls and pedestals, dishes, ice-pails, pine-stands, decanters, flower-vases, pedestal lamps, lustres, &c.

24 LLOYD & SUMMERFIELD, Heath, Birmingham, Manu.—Table and dessert service of cut, and engraved glass, &c. Illustrations of flint glass manufacture. Busts of Her Majesty, and H. R. H. Prince Albert, &c.

25 BACCHUS & SONS, Birmingham, Manu.—Glass flower-stand, with vase and cornucopias; vases; decanters; tazzas; wine glasses, champagne glasses, and goblets; claret jug, &c.; white, coloured, and cased; cut, engraved, enamelled, &c.

26 ORLES, F. & C. 44 Oxford St. and Broad St. Birmingham, Manu.—Candelabra (a pair), in richly cut crystal glass, carrying fifteen lights, each eight feet; the property of Her Majesty. Crystal glass candelabrum, supported on three griffins, in frosted glass. Large table candelabra, in crystal glass, with prismatic shaft. Large lustres, richly mounted, with crystal prisms. Busts of Her Majesty and H. R. H. Prince Albert. Shakspeare, Milton, Scott, and Sir Robert Peel, in frosted glass.

27 RICE, HARRIS, & SON, Islington Glass Works, Birmingham, Des. and Manu.—Pressed and moulded glass tumblers, goblets, wine glasses, sugar basins, butter coolers, door knobs, &c. Specimens of various articles in flint glass, cut and engraved. Ornamental glass, of various colours. Gilt and enamelled, cut and engraved, consisting of tazzas, liqueur services, compotiers, toilet bottles, claret jugs, vases, &c. Specimens of colours, combined by casing or coating. Specimens of threaded or Venetian glass.

28 CHANCE BROTHERS & CO. Glass Works, near Birmingham, Manu.—Crown window glass, of various kinds. Sheet, or cylinder window glass: the building for the Great Exhibition is glazed with this glass. Patent plate glass, for

pictures, looking-glasses, &c. Coloured window glass. Glass shades. Optical glass, &c.

29 CHANCE BROTHERS & CO. Alkali Works, near Birmingham, Manu.—Chemical preparations of soda and magnesia.

30 LOCHHEAD, J. 35 Royal Exchange.—Perforated plate and sheet glass, for ventilation, &c. Patent ships' ventilating side scuttles, in perforated plate, sheet, and flint glass, &c.

31 FINKERTON, J. 143 High St. Borough, Des.—Plated metal dessert plates, inlaid with ornamental cut glass. Globe on pedestal, ornamental cutting, plated metal reflector inside. Vase and dishes for chandelier. Flower vase, &c.

32 COGAN, E. Des. Inv. &c.—Model of the Great Exhibition Building. Patent portable Glass verandah, adapted for the growth of flowers, &c. A variety of articles in glass, &c.

33 COXNE, A. 116 Wardour Street, Oxford St. Des.—Goblets with ornamental designs. Amber champagne glass, with embroidered fancy border. Ruby wine glass, with vine border.

34 VISEVELLY & BRANSTON, Fleet St. Manu.—Ornamented glass ware, for architectural purposes, furniture, lamps, gas fittings, &c.

35 NAYLOR, W. 7 Princes St. Cavendish Sq. Des. and Inv.—Antique claret jug, engraved.—Reg. Massive butter-basin, cover and stand. Antique claret decanter. Antique water-jug, with richly-engraved goblets, &c.

36 VARNISH, E. 48 Berners St. Pat. Plateaux. Vases. Salvers &c., in silvered glass. Glass globes, mounted on eagles, Atlases, and ornamental stands.

37 SANDERSON & SON, 9 Brooks St. Holborn, Inv. and Manu.—New partition glass, for Seidlitz and other effervescing powders.

38 ORLSON, J. 70 Union St. Southwark.—Glass dishes, showing glass-cutting in three different stages, viz. cutting, smoothing, and polishing.

40 FOWELL & SONS, Whitefriars Glass Works, Manu.—Painted, and patent pressed glass for windows. Glass pipes with patent joint. Chandelier and Glass pump with the same joint. Epergne, glasses for scientific purposes.

41 GREEN, J. G. 19 St. James's St. Piccadilly, Des. and Manu.—Samples of services of glass, engraved in Greek style. Large Etruscan-shape jugs. Pole fire-screen, with glass screen and pedestal, gilt, &c. Or-molu and silvered glass chandelier, &c.

42 PELLATT, APLEY, & CO., Falcon Glass Works, and 58 Baker St. Portman Sq. Manu.—Models and specimens illustrative of the manufacture of flint glass, with explanatory catalogue.

43 BIRN, R. W. 58 Baker St. Portman Sq. Des.—Miniature fountain for conservatory, with group in Parian statuary. Bridal and birthday deŕtiné services.

44 PERRY & CO. 73 New Bond St. Des. and Manu.—Large cut glass chandelier for 144 candles, showing the style of glass-cutting of the 18 century, and modern improvements.

45 BAILLIE, E. 123 Cumberland Market, and 118 Wardour St. Prop.—Ornamented stained glass lights, picture enamelled on glass, Shakspeare reading a play to Queen Elizabeth and court, &c.

45 BLACKMORE, C. 65 Upper North Pl. Gray's Inn Rd. Des.—Altar tablet on glass, embossed and finished in gold and colours.

46 TROTMAN, S. Clarendon Rd. Notting Hill, Inv. and Manu.—Fountain for drawing, dining rooms, &c. working by mechanical pressure. Night dial. Printing on glass, for ornamental and philosophical purposes.

47 DAVIES, G. 20 Wyndham St. Bryanstone Sq. Des.—Painted marbles, opaque, on glass. Adapted for interior decorations, as panelling church altar work, ceilings &c.

CLASS 25. *China, Porcelain, Earthenware, &c.*

48 DAVIES, W. 7 Broadley St. Blandford Sq. Des.—Opaque paintings on glass: Flowers and vase, and Angel rising from the clouds.

49 FORD, D. 4 James St. St. Peter's, Islington. Des.—Variegated specimens of "vitrum marmoratum;" for table tops, tablets, panelling, &c.

50 HALL, J. W. Bristol, Mann.—Ornamental cut-glass window; embossed British plate, for ornamental doors; letters, &c.; ornamental leaded stained-glass window.

51 HOWARD, H. 4 Railway Pl. Fenchurch St. Des. and Mann.—Coal-plate, ventilator. Area illuminators, &c. consisting of Glass and iron. Deck-light. Side-lights or cuttle and ventilator for ships. Skylights.

52 THOMPSON, Mrs. AWIN, 57 Devonshire St. Portland Place.—Glass medallion, the subject after Cipriani: Fortune, and her aspiring Son.

53 JONES, Z. 17 Park Pl. Clifton, near Bristol.—Des. and Mann.—Top of a table in vitralispi, a new style of ornamental glass, for decorative purposes.

54 PRICE, 7 Bridge Rd. Lambeth. Des. and Inv.—Painted glass door, a specimen of the application of painting on glass to ornamental decoration.

55 BRESINGFIELD, W. Colchester, Essex, Des. and Mann.—Glass picture-frames, an original design; the gilding or other ornamental work being completely protected.

56 TYE, G. P. Snow Hill, Birmingham, Inv.—Registered hyacinth glasses, &c. Registered spring labels for trees and flower-pots.

57 ETHERINGTON, H. 2 West St. Pimlico, Inv.—Table-tops, in imitation of glass Mosaic work.

NOTE.—The following are placed in the main avenues, or in windows of the building.

BALLANTINE & ALLAN, George St. Edinburgh, Des. and Mann.—Stained Glass, Elizabethan, and decorated style. Panel of ornamental glass, decorated style.

BLAND, S. K. 15 Lisson Grove North, Marylebone, Des. and Mann.—Enamel painted windows; Roman foliated ornament, adapted to modern decoration.

BURY, T. T. 50 Welbeck St. Cavendish Sq. Des. and Prod.—Stained glass. Compartments of a window for an ecclesiastical building of the second pointed period. Specimen of distemper painting, executed in Miller's silica colours, representing a design for a palace of the arts, and national gallery of painting and sculpture.

CHANCE BROTHERS & Co. Glass Works, near Birmingham, Mann.—Dioptric apparatus of the first order, for lighthouses, with revolving lenses and catadioptric zones; constructed according to the system of Fresnel. Painted windows: leaded work, with medallions and ornamental work of the early Gothic style, and in the style of the fourteenth century. Flowers painted and enamelled on a large plate of glass, the glass having been burnt in a kiln four times, &c.

COLLIS, G. R. Church St. Birmingham.—Chandelier, in glass cut on both sides, enamelled in various colours, relieved with burnished gold, begun by the late George Grundy, for George IV., and completed by Collis & Co.

COTTINGHAM, N. J. 43 Waterloo Bridge Rd. Des.—An eagle lectern, of wrought brass, and an alto-relievo for the Lady Chapel of Hereford Cathedral.

FORBES & BROWLEY, Liverpool, Mann.—Stained glass window, representing the figure of St. Winifred. Glass chimney piece.

GAUFF, T. Springfield Pl. Leeds, Des.—A painted window; specimen of a cheap and durable method of producing windows for churches.

GIBBS, L. A. 2 Harwood Pl. Camden Town, Des. and Prod.—Norman window. Decorated gothic compartments. Four compartments of highly finished pictorial glass.

GIBSON, J. 89 Clayton St. Newcastle-upon-Tyne, Des.—Painted window, in black and white (*en Grisaille*), of early Norman character; a free imitation of a decorated window in St. Martin's-cum-Gregory, York.

GOUGH, H. W. Nottingham, Des. and Mann.—Stained and painted window: St. Stephen under Gothic canopy.

HARTLEY, J. & Co. Sunderland, Mann.—Patent rough plate, one-eighth of an inch thick, or 30 oz. to the foot, for ridge and furrow roofing, &c. Model and section of ridge and furrow roof, glazed with same, in squares 62 by 18 inches. For ridge and furrow flat roofs, without a lap-joint in the glass; the exhibitors claim originality. Models, &c. illustrating the manufacture of crown and sheet glass. Specimen windows of patent rolled coloured glass. Specimen of stained glass borders. Glass for horticultural, dairy, and railway purposes, &c.

HOLLAND & SON, St. John's, Warwick, Des. and Prod.—Fine Specimens of stained glass, in the decorated, perpendicular, and Elizabethan style.

JACKSON, E. & W. H. 315 Oxford St. Prop.—The Royal Arms of England, painted on glass.

KING, J. Upper, Brook St. Ipswich, Des. and Inv.—Design of stained glass, adapted for a church.

MAYER, G. 1 Blomfield Terrace, Harrow Rd. Paddington. Des.—Stained-glass window, Saint George and the Dragon, standing under a Gothic canopy of the decorated period.

NEWBHAM, S. J. 1 Hereford St. Oxford St. Des. and Prod.—Painted glass: Prince of Wales' feathers, rose, thistle, and shamrock, &c. encircled with a wreath of oak leaves.

OSLER, F. & C. Oxford St. and Broad St. Birmingham, Mann.—Large fountain, in cut crystal glass, twenty-seven feet high (at the intersection of the main avenue and transept).

TRAMES PLATE GLASS WORKS, Bow Creek, Blackwall, Mann.—Specimens of plate glass, the largest hitherto produced.

TOBEY, J. D. 10 Henrietta St. Manchester Sq. Des. and Prod.—Stained glass. The royal arms with national emblems, &c.

TOMS, J. High St. Wellington, Somerset, Mann.—Painted window: St. Mary Magdalen. Natural forms of plants, applied to the decorative portions of a mosaic glass painting.

WALLACE, Miss.—Specimens of Miss Wallace's patent glass decoration, as applied to architectural embellishment, looking-glasses, picture-frames, and furniture.

CLASS 25. *China, Porcelain, Earthenware, &c.*

1 MINTON, H. & Co. Stoke-upon-Trent, Staffordshire, Mann.—Tiles, terra cotta, and vases, &c. in imitation of majolica ware. Encaustic and other tiles. Large vase, designed by Baron Marochetti, in terra cotta. Flower-pots, in terra cotta, with Parian bas-reliefs, after Thorwaldsen. Statuettes and busts, after John Bell, H. J. Townsend, Sir R. Westmacott, Thorwaldsen, Daneker, and Cellini. Ornamental vases, table ware, &c. in porcelain. Chemical utensils, in hard porcelain. Raw materials used in the manufacture and ornamenting of porcelain and earthenware. Fired specimens of colours. Earthenware, in the different stages of its manufacture.

2 COVELAND, W. T. Stoke-upon-Trent, Staffordshire, and 160 New Bond St. London, Mann.—Works in porcelain statuary, after J. H. Foley, R.A. W. Theed, W. C. Marshall, R.A. J. R. Hyatt, R.A. John Gibson, R.A. the Baron

Marocchetti, Cumberworth, J. P. M'Bride, John Steel, R.S.A. Mrs. Thornycroft, &c. with a large collection of vases, tassels, and plateaux; trays and table-ware, in porcelain; samples of common printed earthenware; and specimens of fine crystal glass, cut and engraved.

3 MASON, C. Longton, Staffordshire, Des. Manu. and Pat.—Patent ironstone china. Garden seats. Mandarin jars. Large jars and covers. White patent ironstone china, as used in hotels in the United States of America, &c.

4 KERRIDY, W. S. Burslem, Staffordshire, Manu.—Articles in china and earthenware: Mortise-lock furniture for doors of drawing-rooms, &c.

5 RIDGWAY, J. & Co. Cauldon Pl. Staffordshire Potteries, Newcastle-under-Lyme, Manu.—English porcelain table-service, tea and coffee service, improved fine earthenware, lawn fountains, and conservatory fountains. Specimens of staircase. Drab stone pottery. Hollow bricks. Model kiln (Ridgway's patent), for burning pottery, &c.

6 WOODWOOD & SONS, Etruria, near Newcastle-under-Lyme, Manu.—Carrara porcelain statuary. Copy of Portland, or Barberini vase, &c. Blue Jasper vase, with white bas-reliefs from the antique. Set of chess-men; thirty-four pieces, by Flaxman. Jasper: Cameos of various colours, with white bas-reliefs from the antique. Red terra-cotta vases, with black bas-reliefs from the antique. Voltaire stone-ware trough. Cream-coloured, or Queen's ware. Coloured earthenware. Garden-pots and stands, &c.

7 ALOOCK, S. & Co. Burslem, Staffordshire, Manu.—Specimens of china, porcelain, &c. designed by Alfred Crowsquill, S. W. Arnold, and San Giovanni.

8 CZAPCZYNSKI, J. Shelton, Staffordshire Potteries.—Two plates, enamelled under glaze. Flowered damascene classical antiquities. Soup and sauce-tureens. Tea services bowls, Earthenware plates, &c.

9 MAYNE, T. J. & J. Dale Hall Pottery, Longport, Burslem, Staffordshire, Manu.—Earthenware table-ware. Toilette and dessert ware. Garden and rustic seats. Finger-plates and door furniture, enamelled and gilt. White stone ware. Parian ware. Bust of Wesley, &c.

10 MASON & SONS, Hanley, Staffordshire, Manu.—Lotus candlesticks and jugs. Flower-pots and stand. Vases, &c. in porcelain. Statuettes, candlesticks, &c. in Parian and terra cotta.

11 BOOTH, T. & R. Burslem, Staffordshire.—Portland vase, fawn ground, white figures, about three feet high: process patented. Vases, groups of flowers, and statuettes, in Parian. Parian bust of Sir Robert Peel, after Sir T. Lawrence. Doric mosaic vases. Azure Grecian, and fawn jugs, inlaid with white, traced in gold; patent process.

12 DUNMOCK, T. Shelton Potteries, Staffordshire, Manu.—Table-plates, tureens, dishes and dish-covers. Garden-seats, richly japanned and gilt. Wine-cooler, terra cotta ware.

13 BOWEN, G. F. Brownhills, Tunstall, Staffordshire, Manu.—Specimens of ornamental earthenware cornices, wash-board, and centre pieces for rooms. Ornamental bricks. J. H. Beddeley's patent. Specimens of china ware.

15 KEYS & MOUNTROSE, The Potteries, Newcastle-under-Lyme, Stafford, Des. Inv. and Manu.—Porcelain statuettes: Boys, with perforated baskets for desserts, centre piece. Setter and pointer, with game. Bacchanalian ewer from the antique, &c.

16 FINNEN, BOURNE, & HOPK, Burslem, Staffordshire Potteries, Manu.—Massarine blue grounded and richly gilt soup tureen and stand. Cover-dish. Dish, plates, ewers, &c.

18 HILNITCH & HORWOOD, Newcastle-under-Lyme, Stafford, Des. and Inv.—Specimens of tea-table ware. Centre piece on pillar, with embossed vine border; grapes suspended from the handles, &c.

19 DRAKIN, E. Longton, Manu.—Silver lustre articles.

22 TILL & SOX, Burslem, Staffordshire, Manu.—Specimens of earthenware, chamber ware, dinner and tea services. Stone and earthenware jugs.

24 PRATT, F. & R. & Co. Fenton Potteries, Staffordshire, Manu.—Specimens of terra-cotta and other ware, printed after pictures in the Vernon Gallery, &c. Dessert ware, with designs from Mulready, Landseer, Wilkie, Webster, Witherington, and Gainsborough. Bread platter, H. Warren.

25 SOUTHERN, W. Broseley, near Iron Bridge, Shropshire, Manu.—Tobacco-pipes, the superiority of which consists in the preparation of the clay, giving the article a more porous quality.

26 FELL, T. & Co. St. Peter's Pottery, Newcastle-upon-Tyne, Manu.—Specimens of common earthenware.

30 KAY, T. Holbeck, near Leeds, Inv. and Manu.—Pots for horticultural purposes, with feeders. Suspending pots for orchids. Bordering for garden walks.

31 MILLS, J. Leeds, Manu.—Rockingham coffee and teapots. Shell, and blue shell teapots. Shell jugs, and smear-black teapots.

34 WILLIAMS, T. Woodhatch, near Reigate, Manu.—Vases, for flowers, made entirely by hand of clay of the lower green sand formation.

35 GLOVER & COLCLOUGH, Longton.—Gold and silver lustre earthenware, useful jugs, &c.

39 WOOD, G. Brentford, Des. Inv. and Manu.—Gigantic ornamental orange-tree garden-pots, largest dimensions made in England.

40 BOWEN, J. Derby Pottery, near Derby, Manu.—Articles manufactured from fine stoneware clay. Garden labels, &c.

41 SHARPE, BROTHERS, & Co. Swadlincote, near Barton-on-Trent, Manu.—Specimens of Derbyshire ironstone cane-ware, Rockingham ware, and printed earthenware.

42 FISCH, J. 6 Pickard St. City Rd. Pat. with F. T. Rufford, of Stourbridge.—Baths and wash-tubs. Porcelain wash and steam-tubs. Glazed bricks and slabs. Porcelain tile-bath, &c.

43 LOWE, T. 40 Ely Pl. Holborn, Prod.—Table plates, painted with subjects, portrait of Her Majesty, after Ross, Infant John, after Correggio. Jew's harp, after Wilkie. English rustic, after Howard.

44 ALLEN, J. M. 14 Catharine St. Strand, Prod.—Painted and gilt China dessert plates.

45 BELL & Co. Glasgow, Manu.—Dinner and toilet and tea services and jugs, in stoneware and porcelain. Fancy articles in stoneware, porcelain, and Parian. Wine-coolers. Articles in Parian, and specimens in terra cotta.

48 BRANWELL, J. W. 7 Coburg Pl. Bayswater, Manu.—Ice pail of Rockingham china, with enamel painting of Bird-trap, and Charity. Vase, subject: Champion, after Webster. Grape basket. Cup and saucer, of the original Rockingham glaze, &c.

49 LIFSCOMBE, & Co. 93 Regent St. Des.—Fountain, the basin of cut glass, the pedestal of Carrara marble, with a Cupid, in biscuit china, supporting a marble cup. Filtering machine.

52 GRAINGER, G. & Co. Worcester, Inv. Design. and Manu.—Chemical capsules. New ware, called "Semi, or chemical porcelain." Small cabinet tea service and tray. Medieval font, coloured, &c.

53 CHAMBERLAIN & Co. Worcester, Des. & Manu.—Tea service of egg-shell china. Communion and dejeuner services, &c., of pierced or honeycomb china. Porfollino China slabs. Vases, gilt, &c. China bracelets, brooches, &c.

54 ROSE, J. & Co. Coalbrook Dale, Ironbridge, Shropshire, Manu.—Porcelain embossed dinner-services, dessert

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services, tea-services, tripod épergne, flower-vase, small coffee sets, clock-case, and flower-vase. Group of figures, &c. in Parian. Large porcelain egg-shell bowl, &c.

55 BROWN, T. & M. L. 47 St. Martin's Lane, Mann.—Dinner and dessert plates, specimens of enamelling and gilding on stone china. Specimens of painting and gilding on porcelain. Various articles in glass.

56 GRAY, J. 35 Upper Thames St. Half-Prop—Papworth's registered fountain, manufactured in china or earthenware, for large saloons and conservatories, supplied by the high-water services.

58 DANIEL, A. E. & R. P. 18 Wigmore St., and 129 New Bond St. Des.—Dessert services, executed at the Colebrooke Dale china manufactory.

59 FETTER, 13 Norton St. Portland Pl. Inv.—Vessel to contain liquids admitting of atmospheric pressure on the fluid without bringing it in contact with the atmosphere itself.

61 LOCKETT, G. Bleak Hill, Cobridge, Staffordshire, Prod.—Various specimens of ware, exhibiting samples of hard kiln, and of enamel colours.

64 SHERWID, H. Wolstanton, Newcastle-under-Lyme, Des. and Engraver.—Specimens of the ordinary style of engraving, as applied to the decoration of earthenware manufactures. Plates printed by Josiah Wedgwood and Sons.

67 EARNESEY & GRAVER, Masborough Pottery, Rotherham, Yorkshire, Mann.—Painted bisura, exhibiting specimens of Yates' patent porcelain letters.

69 LEE, J. Pottery, Rotherham, Yorkshire, Mann.—Sign-board, with porcelain letters.

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1 THORN & Co. 98 New Bond St. Des. and Mann.—Gutta percha man.—Decorations; girandole; various specimens and patterns of frames, brackets, mouldings, &c.

2 WALLACE, ELIZABETH, 4 Russell Pl. Fitzroy Sq. Inv.—Imitation marble on glass, for the walls of rooms, ceilings, &c. Picture and looking-glass frames, composed of a surface of glass over metal.

2a TOWNSEND, J. E. High St. Camberwell, Inv. and Mann.—Bedsteads for invalids, &c.

3 MELVILLE, J. 64 John St. Fitzroy Sq.—A portable self-supporting pulpit, with handrails for stair, platform &c.

4 BURROUGHS & WATTS, 19 Soho Sq. Des. and Mann.—Billiard table and marking-board, of English oak, in the Elizabethan style.

5 JACKSON & SOXS, 49 and 50 Rathbone Pl. Des. and Mann.—Works in carton-pierre, papier-maché, and composition, for decoration and furniture. Compartment of decoration, in carton-pierre, in high relief, for a large saloon, &c.

6 WHITS & PARLEY, 4 Rathbone Pl. Mann.—Model of a room, in composition ornament, as prepared for the gilder, painter, upholsterer, &c. Ladies' work-table as prepared for the gilder and upholsterer.

7 WASHINGTON, G. Leeds, Des. and Mann.—Library inkstand in rosewood. Library chair in oak, and dining-room chair in mahogany, the grain of the wood running in one uniform direction.

8 RIDGE, B. M.D. Putney, Invent.—Invalid bed-carriage, for spinal and other complaints.

9 TAYLOR & SOXS, 167 St. Dover St. Southwark. Des. and Mann.—Cabin-furniture. Walnut-tree wood couch, and life-preserver. Slab of artificial marble of baked and polished clay.

10 JOHNSTONE & JEANES, 67 New Bond St. Mann.—Sideboard of mahogany. Patent circular dining-table. Patent expanding plateon for dining table. Carved library chair, &c.

11 BRUNING, M. 142 High Holborn, Mann.—Improved roller-blind; cornice-pole; picture-rod; map-roll and rack; improved stair-rods, and brass poles and ends.

12 THOMSON, J. 57 Devonshire St. Portland Pl. Des.—Design for a colossal timepiece, adapted for silver or bronze manufacture.

13 EARF, E. 15 Chester Ter. Chester Sq.—Ornamental rustic oak chair. Miniature chair and stool.

14 RIDDLE, T. 54 Wells St. Oxford St. Mann.—Invalid wash-stand, for persons confined to bed, forming a small table.

15 BROWN, J. M. & T. 165 Piccadilly—Patented suspensory chair, for forming a couch or camp bed.

16 DIXON, T. 14 Salisbury Pl. New Rd. Inv.—Self-swinging cot, or cradle for infants (or invalids). Model of a fire-escape.

17 THURSTON & Co. Catherine St. Strand. Mann.—Slate-top billiard-table, made of Spanish mahogany, with patent cushions.

18 BLOTT, ESTHER, Wellesbourne, near Stratford-on-Avon, Des.—Harlequin chintz cushions stuffed with hair, with mottoes. Mahogany carved miniature sofa. Horse-radish sauce. *La sauce stomacique*, for game, meat, and made dishes.

19 WYNN & LUNDEN, 30 East St. Manchester Sq. Mann.—Carved oak chimney-piece, designed by H. Clutton, architect. Richly carved oak altar chair, designed by E. Christian, architect.

20 CASTLE, J. Beverley, Des. and Mann.—Elizabethan wash-stand. New pattern wash-hand stand, of English oak, &c.

22 HUTCHINSON, E. High Wycombe, Buckinghamshire. —Oak antique arm chair, with carved ornaments, stuffed seat and arms, silk velvet. The carved work by E. Hutchinson, jun. self-taught.

23 LOVINGROVE, H. jun. Slough, near Windsor, Inv.—Portable expanding chair, of English ash, with cane seat and back. Portable sofa chairs.

24 FLEET, J. Tenterden, Kent, Inv. and Mann.—Bed-post, specimen of spiral turning with a common lathe and sliding apparatus.

25 GEORGE, F. C. Banbury, Mann.—Carved bread platters. Ladies' work-table, with needlework frame of English walnut, &c.

26 STASKY, T. Farthinghoe, near Banbury, Mann.—Table, convertible into a bedstead, wardrobe, suite of drawers, sponge bath, &c.

27 EVEREST, J. Tunbridge, Kent, Mann.—Ottoman, convertible into a chair, with commode. Invented and patented by Everest and Osborne, Tunbridge, Kent.

28 MEADOWS, J. 71 Prince's St. Leicester Sq. Inv. Pat. and Mann.—New method of veneering. Picture frames. Specimens of patent builders' work, without joining at the angles or edges.

29 SHACKLOCK, G. Bolsover, near Chesterfield, Derbyshire, Des. and Mann.—Carved royal heraldic chair, of native oak; the artist self-taught.

30 LYON, W. Marlborough, Wiltshire.—Agricultural machine to plough, sow, manure, and roll the land in immediate succession. Stove, which will bake, roast, boil, broil, fry, heat plates, &c. at the same time. Iron compressed bedstead. Compressed chairs and table.

31 GRAKE, T. Sherborne, Dorset, Des. and Mann.—Model of an extending dining-table on an improved principle.

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- 82 HORN, R. 41 Gracechurch St. Mann.—Registered room decoration. Paper-hangings in imitation of wood.
- 83 FOSTER, G. East Retford, Nottinghamshire, Des. and Painter.—Panels, painted in encaustic and in imitation of inlaid wood, for doors of drawing-rooms and decorated apartments.
- 84 HUNSON, J. East Retford, Notts, Prop.—Rustic chair, designed and made by W. Marsh, of Retford, a labouring bricklayer, of knots of wood from the far-famed Sherwood Forest.
- 85 LAMBERT, S. East Retford, Nottinghamshire, Inv. and Mann.—Mahogany easy chair, with new and simple method of adjustment.
- 86 WINTERBOND, J. Hackney Rd. Inv. and Des.—Self-acting index, in case of spontaneous combustion; fire extinguisher and fire escape; warm bath. Carving in Italian walnut-tree.
- 87 FISHER, J. W. Calvert St. Norwich, Mann.—Loo-table, in veneer, of English growth, viz. walnut-tree curls, and intersected with laburnum tree.
- 87A GIBBLOW, T. 34 Newman St. Oxford St. Mann.—Imitation china, for table-tops, tea-trays on iron slate papier-maché, &c.
- 88 FREEMAN, W. & C. London St. Norwich, Des. and Mann.—An ornamental cabinet, secretary, and bookcase, carved in walnut wood and ebony.
- 89 FEXLEY, W. Norwich, Mann.—Ornamental flower-table, slate top, carved maple, and knotted oak-wood border, with dial affixed showing the time on the top of the table.
- 90 FOWHEREAU, KATE G. Ipswich, Inv. and Des.—Octagon box, in imitation of inlaid wood, applicable to pianofortes, &c.
- 91 HANBURY, LOUISA EMILY, Ipswich, Des.—Slab, in imitation of marble, supported by carving in wood.
- 92 RYSGHAM, H. Gar St. Ipswich, Mann.—Rood screen, carved in oak for a church in Surrey, designed by J. Clarke, 13 Stratford Pl. London. Group of wheat and poppies, carved in lime wood.
- 93 LEE, G. L. 245 High Holborn.—Imitation stained glass, and marbling on surfaces by the water bath.
- 94 RAYES, T. H. St. Albans, Herts, Des. and Mann.—Rustic loo-table, the top composed of upwards of 4,000 pieces of English wood—oak, maple, hazel, willow, and crab. The exhibitor a labourer.
- 95 ABBOTT, J. Horse and Groom, Crouch St. Colchester.—Inlaid pentagon table. Inlaid table, with carved pedestal, the sole work of the exhibitor, a blacksmith.
- 96 CREEK, W. Saffron Walden, Essex, Des. and Maker.—Ebony cabinets, inlaid with ivory, for coins, medals, jewels, &c.
- 97 HOWTON, G. W. 34 Thayer St. Mann.—Decorative panel, carved out of lime-wood.
- 98 RIDDETT, G. Ryde, Isle of Wight, Inv. and Mann.—Patent reading-table; music-stand, table, or screen, for an invalid.
- 99 EYLES, H. 31 Broad St. Bath, Des. and Mann.—An English pollard-oak table, with porcelain star, manufactured by Chamberlain and Co. of Worcester. English walnut-trees easy chair, and English walnut-tree drawing-room chair, with porcelain panels.
- 51 ERREDOR, J. A. 44 Clarence Pl. Brighton, Mann.—Chess table, with vignettes, corresponding with the characters of pieces.
- 52 HEARMAN, W. 66 Middle St. Brighton, Inv.—Model of a circular roller-blind of improved construction.
- 53 PALMER, R. Brighton, Mann.—Specimens of mahogany and oak staining on deal.
- 54 NYE, E. Mount Ephraim, Tunbridge Wells, Mann.—Two round tables, book-stand, and work-box, ornamented with devices in wood mosaic.
- 55 CALDER, J. 4 James St. Bath, Des. and Mann.—Circular dining-table, of walnut; the centre part revolves, while the outside portion remains stationary.
- 57 ENGLISH, E. F. Bath, Des. and Mann.—Pedestal cabinets, composed of ebony and Italian marbles, ornamented with Florentine mosaic. Suspending cabinet, and cabinet nest of drawers, of English oak and ebony, &c.
- 58 SORWICK, T. Allenheads, Haydon Bridge, Prod.—Illustrations of lead mining, &c. Section of the strata at Allenheads; models to illustrate mineral veins, &c. Minerals associated with lead ores. Examples of the various stages of progress from the mine to the market. Lead (WE) and silver prepared for sale. The specimens from the mines of W. B. Beaumont, Esq.
- 59 PALMER, H. 5 and 6 James St. Bath, Des. and Mann.—Registered loo-table and occasional table, in walnut wood. Sideboard, in English dark oak.
- 60 STRAD, W. 24 Hill St. St. Helier, Jersey, Mann.—Carved urn celeret-table.
- 61 ALLEN, H. Frampton-on-Severn, near Dursley, Gloucestershire, Mann.—Gothic chair of English oak, with needlework back and seat.
- 62 BISS, J. Bradninch, Callompton, Des. and Mann.—Carved Tudor bed-posts, made of walnut tree, by a thatcher.
- 63 HALL, THEODORE, Basing Pl. Exeter, Des. and Mann.—Cheval screen, with a group of flowers in a new style of working in Berlin wool.
- 65 TANNER, W. 3 Harrington Pl. Bath.—Carved rigo and pollard oak cabinet, style Francis I. adapted for a drawing-room.
- 66 STOPPER, T. Saxmundham, Des. and Mann.—Reading, writing, and dressing desks.
- 67 HERBERT, W. Market St. Oxford, Des. and Mann.—Oak tables and cabinet, of Stanton oak, combined with glass and or-molu, &c., made and carved by three deaf and dumb persons; the castings by Marsh, of Dudley. Cabinet, of Oxfordshire walnut. Lounging-chair.
- 68 TARBUTT, W. Cranbrook, Kent, Des. and Mann.—Cradle, made of osiers, ornamented, and moved by a weight and springs.
- 69 HOCKENDON, J. 15 King St. Oxford, Inv. and Mann.—University telescope reading-table.
- 70 SPIERS & SON, Oxford, Mann.—Models of buildings, in card-board: The Martyrs' Memorial, Oxford; the cathedrals of Oxford, Ely, Lincoln, Bristol, and Salisbury; the Queen's marine residence, Osborne House, Isle of Wight, &c. Specimens of embossing in colours, and decorated papier-maché.
- 71 HEYWOOD, HIGGINSBOTTOMS, SMITH & Co. 63 Watling St. Mann.—Paper-hangings, manufactured by machinery.
- 72 WARNER, M. R. Stanton Harcourt, Witney, Des. and Mann.—Rustic table, inlaid with 1851 pieces of ivy-wood.
- 73 WOODMAN, H. G. Melksham, Inv.—Carpet strainer.
- 74 POTTER, C. H. & E. Over Darwen, Blackburn, Des. and Mann.—Patent paper-hangings, with registered designs, in ten colours produced by machinery.
- 75 JOHNSON & Co. Quay St. Bristol, Des. and Mann.—Improved straw mattress, for lath and iron bedsteads.
- 76 SPURRIER, C. Bristol, Des. and Mann.—Cabinet chiffonnière of walnut wood. A vase of flowers, of pearl, inlaid in ebony. Easy chair, &c.
- 78 JONES, A. J. 135 Stephen's Green, Dublin, Des. and Mann.—Series of Irish bog-yew decorative furniture, designed to illustrate history, antiquities, animal and vegetable productions, &c., of Ireland.
- 79 MICHU, J. J. 4 Leadenhall St. Mann.—Articles in Coromandel wood, ebony, papier-maché, leather, &c. Bagatelle table, writing and dressing cases. Ivory hair, tooth,

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nail, and shaving brushes. Razor strops, pocket books, blotting-cases, &c. Specimens of British cutlery, with illustrations of the various stages of the process.

90 MIDCALF, F. 98 Bride St. Dublin, Des. and Mann.—Cabinet of oak, from Wicklow, with top of Connemara marble, from the quarries of Ballinahinch, county Galway.

91 FLESCHE, J. 71 Patrick St. Cork, Ireland, Des. and Mann.—Table; the pillar represents a fighting gladiator, carved in solid Irish oak; the top, a shield in fancy pollard oak.

94 FLETCHER, E. Royston, near Barnsley, Des. and Mann.—Washable paper-hangings.

95 HOLD, A. Ardsley, near Barnsley, Des.—Pine frame,

97 SMITH, T. 1 Lordship Pl. Lawrence St. Chelsea, Inv.—Portable folding wrought-iron bedstead.

98 GAUNT & SON, Wortley, near Leeds, Inv. and Mann.—Decoration for library, dining and drawing-rooms. Durable and fixed colours.

99 COLLINSON, G. C. Doncaster, Yorkshire, Mann.—Hall or library chair, of black oak, found near Doncaster, Yorkshire, presumed to have been buried there 2,000 years.

91 INNES, ELIZABETH & SUSANNA, Castle St. Montrose, Scotland, Des.—Screen of white watered silk, with wreaths and basket of flowers, worked in feathers from the county of Forfar, &c. The frame was made by F. J. and F. Japp, Montrose.

92 DINGLEY, ANNIE, Camelford, Prop.—Fancy work-table, veneered with tulip-leaves.

93 LEARWOOD, T. Truro, Inv.—Screw-driver, of considerable power; portable walking-stick stool; chair, adapted for ladies' schools; fancy chair, for drawing-room; Windsor chair.

96 CRAWFORD, J. 242 Stobcross St. Glasgow, Des. and Mann.—Mirror, composed of plane-tree, made by an amateur.

97 NEWTON, W. 226 Argyle St. Glasgow, Prop. Des. and Mann.—Loo-table, composed of nearly 7,000 pieces of foreign woods. Chiffonnière, composed of above 4,000 pieces. Tea-caddy, composed of 1,340 pieces, &c.

98 IRRIS, P. Perth, Mann.—Circular loo-table, made of the root of a larch-tree raised near Murthly Castle, Perthshire.

99 ALEXANDER, J. T. Maxwelltown, Dumfries.—Ornamental garden chair of natural roots and branches of the oak. Picture-frame of natural roots and laburnum-tree branches, for a Scotch romantic scene.

100 HAY, J. & J. Aberdeen, Des. and Mann.—Gilded and emblematic national picture-frame.

101 SCRYMGOUR, H. George St. Edinburgh, Des. and Mann.—British state bed, with canopy, Elizabethan style, carved in pine and plane tree. Blankets of the finest Cheviot wool; and sheets of finest Tweed linen.

102 WARRACK, HARRIET, Dee St. Aberdeen, Des.—Ornamental fire-screen.

103 AITKEN & ALLAN, 102 Prince's St. Edinburgh, Des. and Mann.—Pier-table and mirror-frame, in carved wood.

104 BARRIE, J. Edinburgh, Des. and Prod.—Carved book-tray, executed by a ploughman, in the evening, by candle-light, without the aid of any model or design, and solely with a penknife.

106 LATHGOW & PURDIE, 60 Hanover St. Edinburgh, Des.—Specimens of panels, and tables in imitation of inlaid marbles and of or-molu.

107 ROSS, D. 11 Norton Pl. Edinburgh.—Carved oak sideboard. Strong portable chair.

109 CARSON, W. Stirling, Scotland, Des.—Wood painted in imitation of mahogany, maple, and oak.

110 FRENCH, G. J. Bolton, Des. and Mann.—Velvet cover for communion-table, with cushions, service-books, carpets, &c. Altar vestments of crimson velvet. Episcopal

chair, after an ancient example in York Minster. Ecclesiastical banners, &c.

111 TULLING, E. Bradshawgate, Bolton, Mann.—Ornaments made of a new combination of materials, for interior decorations; exhibited for tenacity, lightness, and facility in working.

112 BLAND, M. 2 Broad St. Halifax, Des. and Mann.—Sideboard, ornamented in representation of the vine.

113 KING, W. A. Whitehaven, Des. Inv. and Mann.—Aldobrand Oldenbuck's cabinet, from Sir Walter Scott's story of The Antiquary, made from three varieties of British oak grown in Cumberland.

114 CARMICHAEL, J. William St. Workington, Cumberland, Des. and Prod.—Carved oak chair of novel design, made out of the root of oak, embroidered by G. Haines, Grosvenor Row, Chelsea.

115 MILLA, T. Bradford, Yorkshire, Des. and Mann.—Hall table and hat and umbrella-stand combined. Drawing-room chair, carved in solid mahogany, and gilded.

116 BAYTRALL A. Gov. School of Des. Sheffield.—Cabinet, carved in walnut.

117 HOTLEY, H. Gov. School of Des. Sheffield, Des. Mod. and Car.—Sideboard, carved in walnut.

118 SMITH, E. Sheffield, Des.—New nautilus register stove, &c. manufactured by Myers and Corbett, Masbro' Works, Rotherham. Cylindrical natural stone water-filterer. Registered.

120 MATHIESON, R. E. Stirling, Scotland, Des.—Plain deal lobby-table top, painted in imitation of various marbles.

121 GRUNDY, J. C. 4 Exchange St. Manchester, Des. and Mann.—Picture frames, specially designed for certain drawings and engravings. Circular table, in gold, the top of which displays 74 landscapes, painted in oil by the Rev. J. B. Pyne.

122 DOVASTON, G. 106 King St. Manchester, Des. and Mann.—Ebony book-case, carved in relief: the frames made by Cope and Collinson, of Birmingham. Boudoir chair of carved ebony. Bijouterie cabinet in tulip and king woods, with Sevres china panels, &c.

123 JONES, D. Hay, Wales, Des. and Mann.—Welsh rustic picture frame, made of the natural excrescences of the apple-tree.

124 STREVENS, J. Taunton, Des. and Mann.—Cabinet, made of walnut-wood, grown near Taunton, Somerset, carved and enriched with panels of raised embroidery, &c. by Miss Kingsbury. Table & ps, &c. of fine English oak, grown near Taunton.

125 HAMPTON, J. A. 49 Union Passage, Birmingham, Des. and Inv.—Specimens of material produced from moss or peat, to be called moss-wood. Specimens of a plastic material made from moss and lime. Specimens of pressed moss fibres.

127 CLARKE, J. Birmingham, Des. and Painter.—Designs of armorial bearings, including seventy-four coats of arms and crests.

128 LANE, T. 91 Gt. Hampton St. Birmingham.—Articles chiefly in royal patent pearl glass; papier-maché table; work-table; cheval screen; pole-screens; reading-table; cabinets; chess-table, &c. Specimens of patent gem painting on glass, invented by Miss E. Tonge, Boston, Lincolnshire.

129 DAVIES, G. C. 7 Brearly St. West Birmingham, Des. and Prod.—Papier-maché work-box, decorated in the Elizabethan style. Japanned papier-maché box. Glass tapestry panel, a new style of decoration for rooms, furniture, &c.

130 FARLE, J. H. 50 Upper Marylebone St. Des. and Painter.—Folding screen; encaustic painting illustrating the story of Cupid and Psyche. Table-top imitation of buhl.

CLASS 26. Furniture, Upholstery, Paper Hangings, Papier Maché, and Japanned Goods.

- 131 HALSBRAND & WELLES, 45 St Paul's Sq. Birmingham, Mann.—Papier-maché toilet table of Elizabethan design. Large cabinets, &c. Series, illustrating the manufacture from the raw material to the finished article.
- 132 FOOTBRADF, SHOWELL, & SHEPTON, Birmingham, Mann.—Ladies work-tables, drawing-room ornament-stand, small cabinet, writing-desks, jewel-boxes, folios, tea-caddy, ladies' reticules, hand-screens, trays, &c.
- 133 LEE, L. 118 Bedford St. South, Liverpool, Prod.—Fancy table, painted in enamel, on prepared wood.
- 134 INGRAM, J. W. 120 Islington, Birmingham, Inv. and Des.—Cabinet, or commode, of wood decorated by the enamel process, with electro-gilt metal mouldings. Specimens of imitation marbles, &c.
- 135 DAWES, B. 20 Carlisle St. Soho Sq. Mann.—Circular table with top, made of a rare species of cedar, &c. Lady's toilet-table and chair of tulip-wood, inlaid with purple wood.
- 136 MCCALLUM & HODSON, 147 Brearley St. Birmingham, Mann.—Papier-maché tables. Multiformis music-stand. Cabinet on stand. Ladies' portfolio and work-table. Bracket-glass, with branch lights. Tea-caddy, new trays, &c.
- 137 SUTCLIFFE, I. 27 Gt. Hampton St. Birmingham Mann.—Ornamental papier-maché trays, loo-table, work-tables, vases, folios, caddies, work-boxes, inkstands, &c.
- 138 TURLEY, R. Birmingham, Mann.—Large folding screen; large loo-table; oval table; gothic tables; hexagon table; cabinets; trays; chairs; work-tables; dressing cases, &c.
- 139 WELSH, T. Farm St. Birmingham, Des.—Lady's cabinet, in papier-maché. Writing-desk, toilet, and jewel case, and work-box.
- 140 PORTER, W. Rockingham, Mann.—Rocking-boat for the nursery; will contain with safety several children at once.
- 141 SMITH, G. F. March, Cambridgeshire, Des.—Specimens of painting, in imitation of various marbles. Painting, in imitation of oak, for interior or external decorations.
- 142 SEAGER, W. Tavistock, Inv. and Mann.—Model of a geometrical staircase, with a double hand-rail in rosewood. Inlaid floor, cornice, and columns, of sycamore.
- 143 DAVIS, G. Southampton, Des. and Mann.—Specimen of marbling, graining, and varnishing, on paper.
- 144 GORE, G. Speenhamland, Newbury, Des. and Painter.—Screen, painted in the old English illuminated style, and recording events of English history.
- 145 BELLEBY, W. York, Des.—Cabinet of oak, having ornamental panels of burnt white wood.
- 146 FINDLEY, C. V. 36 King St. Leicester, Des. and Mann.—Carved chair of Leicestershire oak.
- 147 BARKER, G. 2 Brook St. Bond St. Inv.—Perforated flexible screws, with nuts and hooks, for hanging pictures.
- 148 BROCKBANK & FINCH, Mann.—Patent metallic boxes for wax Vestas. Writing cotapansons.
- 149 COFFERELL BROTHERS, Bristol.—Paper-hangings for a dining-room.
- 150 GREEN, G. Denton, near Grantham.—Portrait picture-frame, Italian style, with the natural foliage of the vine entwined through the scroll-work.
- 151 FLETCHER, R. Derby, Inv.—Crystal granite paper-hangings (washable).
- 152 RAMUZ, A. 17 Frith St. Soho. Prod.—Patent mechanical billiard table. Patent sofa, containing bedstead, &c. Models of bedstead, ottoman, &c.
- 153 RIVETT & SONS, 50 Crown St. Finsbury Sq. Des. and Mann.—Mahogany pedestal sideboard.
- 154 HOPKINS & SON, Birmingham, Mann.—Shade, with improved action.
- 155 BROWN, G. 25 Newman St. Oxford St. Des. and Mann.—Figure candelabra for the drawing-room, with figs and dolphins of carton-pierre.
- 157 BIRKBELO, C. F. 15 Wellington St. Inv. and Mann.—Papier maché articles, manufactured by patent machinery in a new material. Bust of Flaxman. Bracket figure of an angel, architectural ornaments, &c.
- 158 BRAINE, G. T. 8 Hyde Park Ter Prop.—Rosewood doors for a cabinet, ornamented with carvings in yellow wood of Chinese workmanship. Lacquered and Japanese screens. Bas-relief, carved in walnut tree, by Lienard, Paris.
- 159 GREIG & SON, 27 Farringdon St. Des. and Mann.—Winged wardrobe, of fine Spanish mahogany, with carved pediments, trusses, doors, &c.
- 160 WILLS & BARTLETT, Kingston-on-Thames.—Bookcase, of walnut-tree, combined with other woods in relief. Pair of candelabra, of three woods, in their natural colours.
- 161 HOLLAND & SONS, 19 Marylebone St. Ranelagh Works, Belgrave Sq., and 23 Mount St. Mann.—Bookcase, founded on the cinque-cento style, composed of British woods and marbles; designs by Macquoid. Console table and glass. Water lily circular table.
- 162 TROLOPE & SONS, 15 Parliament St. Westminster, Des. and Mann.—Decorated ceiling with cornices and frieze, in colour; paper-hanging decorations; bedstead of satin-wood, carved and inlaid with flowers. Buhl circular table, by Lemoine, of Paris.
- 163 DE LABA, D. 3 Alfred Pl. Bedford Sq. Des. and Inv.—Illuminated design on vellum, in colours and gold, forming a chess-table with arabesque borderings, &c.
- 164 MORANT, G. J. 91 New Bond St. Des. and Mann.—Specimen of rich decoration. Circular table, designed from a suggestion of the Duchess of Sutherland. Ornamental frame, made for Her Majesty. Cabinet of tulip-wood. Carpet, &c.
- 165 GRAYDON, T. H. 4 Sirahan Pl. Ball's Pond Rd. Islington, Des.—Chess table, made of Italian walnut-wood, ornamented with bas-reliefs in electrotype silver. Chessmen, carved in ivory.
- 166 CUNNING, W. Edinburgh, Mann.—Improved drawing-room rocking-chair. Models of bedsteads, in brass and iron.
- 167 BARTING, W. & T. 27 St. James' St. Des. and Mann.—Circular marquetric table. Sideboard made from oak grown in Windsor Forest. Satinwood china cabinet. Secrétaire cabinet of kingwood, with English china inlaid. Oval table, Amboyna wood.
- 167 WIFFELL, J. jun. 219 High St. Exeter, Des.—Circular and octagonal alms-basin, of walnut wood, &c. Improved sacramental bread-cutter.
- 168 FOX, T. 93 Bishopgate St. Within.—Bedstead of walnut tree, gilt, with lofty canopy and drapery of blue silk.
- 169 DURLEY & Co. 66 & 67 Oxford St. Mann.—Canopy bedstead of walnut-tree, in the Elizabethan style, with furniture of rich English brocatelle, &c.
- 170 SWELL & Co. 27 Albemarle St. Mann.—Chimney glass, the frame carved in walnut-tree. Walnut-tree cabinet. Sideboard. Satin-wood wardrobe. Oval table, with marquetric border. Library table. Carved fire-screen, &c.
- 171 WEBB, J. 8 Old Bond St.—Rock crystal vase and plateau, of the 16th century, with ornamental mountings of the present period, enamelled on gold by Morel. Chess table, &c.
- 172 SHIMMONS, J. 6 Portobello Ter. Kensington Park, Notting Hill. Mann.—Statuary marble work-box, carved in bold relief.
- 173 SANDERMAN, G. 9 Greenside St. Edinburgh, Des. and Mann.—The Holyrood seat. Design of an ottoman with rests, ornamented with thistle foliage, carved in dark oak.

CLASS 26. Furniture, Upholstery, Paper Hangings, Papier Maché, and Japanned Goods.

- 174 **SREE & SON**, 6 Finsbury Pavement, Des. and Manu.—Mahogany canopy bedstead, with hangings of crimson Spitalfields silk. Cabinets of walnut, king and tulip wood, inlaid with marquetry, &c.
- 175 **WATSON**, G. 42 Spring St. Paddington, Des. and Manu.—Octagon marquetry table, with ebony moulding, elaborate design.
- 176 **SARVE & FORREY**, 34 Marylebone St. Piccadilly, Manu.—Cabinet, containing painting and drawing materials, including a new easel, for out-door sketching.
- 177 **HUMBLE**, W. 23 St. John St. Westminster; Des. and Manu.—Inlaid marble table; the top contains 700 pieces, of 30 sorts of marbles, 10 English and 20 foreign.
- 179 **CLARK**, S. E. 14 Dean St. Soho. Des. and Manu.—Centre table of ebony, rosewood, and buhl. Work-table of English walnut. Petrifaction-table on figures of cartonniers.
- 180 **BREWSTER**, M. 26 Newman St. Oxford St. Des. and Man.—Shaped marquetry chiffonniers, inlaid in walnut, king, tulip, and veneered inside with satin wood, &c.
- 181 **LE MESSIER**, SARAH S. A. Elm-tree House, Hammersmith. Inv.—Reg. chair, in honour of H. R. H. Prince of Wales; the tapestry work from a drawing by Mogford.
- 182 **NICOLL**, T. 39 Gt. Tichfield St. Des. and Manu.—A case for water-colour or crayon drawings. A cheval screen for water-colour or crayon drawings, &c.
- 183 **LEICARD**, S. 246 Tottenham Ct. Rd. Des. and Manu.—Console frame and table, carved in American pine and limetree, and double gilt in matt and burnished gold.
- 184 **WILKINSON**, W. & C. 14 Ludgate Hill, Des. and Manu.—Carved four-post bedstead, of walnut-wood. Improved spring mattress, &c. Wardrobe veneered with fine walnut-wood on mahogany. Pedestal dressing-table, &c.
- 185 **CARTER**, M. 40 May St. Lower Hampstead Rd. Des. and Prod.—Altar-piece, emblematical of evangelical faith, painted in the early English style.
- 186 **PAPWORTH**, W. & J. W. 14A Gt. Marlborough St. Des.—Ornamental pavements. Designs for house-decoration and for works in gold and silver, papier-maché, and marble, and for stones, painted glass, &c.
- 187 **JENNENS & BERNARD**, 6 Halkin St. West, Belgrave Sq. Manu.—The Victoria Regia coat, designed by Bell, with curtain of Honiton lace, des. and manu. by Darvall. Reg. pianoforte, by Dimoline. Tables, trays, and other works in papier maché.
- 188 **FLOWER**, W. W. 12 Poland St. Oxford St. Manu.—Imitations of japan work. Fancy table, imitation of Persian work, &c.
- 189 **CLAY & Co.** 17 & 18 King St. Covent Garden.—Chiffoniere, in papier-maché, ornamented in mother-of-pearl, gold, and colour. Toilet-table and glass. Table fire-screens. Pot-pourri jars, &c.
- 190 **DIXON**, J. 18 Brownlow St. Colborn Manu.—Papier maché table, inlaid with pearl &c. Paper trays, blotting-book, &c.
- 191 **BINDLEY**, W. Twickenham, Pat. and Manu.—Patent waterproof and papier maché goods. Patent waterproof paper, in use for preserving the roof of the Eritannia Bridge.
- 191 **MAYNE**, E. B. 30 Oxford St. Manchester, Manu.—Self-folding-up seat, for economizing space.
- 192 **SOWZEY & CASTLE**, 29 Albert St. Camden New Town, Inv.—Geometrical ottoman couch, constructed so as to assume various forms of drawing-room seating.
- 193 **ROADILLA**, J. 78 Charlotte St. Fitzroy Sq. Manu.—Marquetry table; artists' colour box and easel, &c. Buhl cabinet.
- 194 **WAKELING & SON**, 36 Gerard St. Soho. Manu.—Carved Arabian bedstead, in white and gold, with silk hangings.
- 196 **FRATT**, S. New Bond St. Manu.—Carved sideboard, of English walnut, the marquetry and fretwork cut by machinery. Saloon commode of English buhl. Gothic altar-chair, &c., carved by machinery.
- 197 **HANSON & SONS**, 16 John St. Oxford St. Manu.—Ornamental walnut-wood cabinet, for china, bronzes, &c. Oval carved frame for a mirror, &c.
- 198 **DOVRE**, G. J. 135 Leadenhall St. Manu.—Looking-glass; plate-glass, manu at South Shields. Specimen of t-taran, the finest quality of Moulmein teak timber.
- 199 **POSSOWAY**, T. Regent Circus, Piccadilly. Des. and Manu.—Large chimney-glass. Large antique grandiose. Altar triptich Gothic. Pierced and engraved picture-frames.
- 200 **STOCKER**, C. 53 Regent St. Manu.—Ebony envelope-case, ornamented with imitation iron-work, in rich metal; gilt mouldings. Dressing-cases, writing-desks, &c.
- 202 **LINDNER**, W. J. R. & E. 30 Moorgate St. Manu.—Walnut-tree sideboards, showing the capabilities of English wood. A beautiful marble slab, from the quarry of Galway, Ireland, forms the table part. Two chairs, of studied structure and varied design.
- 203 **LEVIER**, J. M. 10 David St. Grosvenor Sq. Des. and Manu.—Carved sideboard of New Zealand wood. Eserboise of satin-wood with tulip-wood. Jewel-case of tulip and king-wood. Commode of satin-wood, inlaid with tulip-wood, des. by Rosenberg.
- 204 **POOLE & MACGILLIVRAY**, 25 Prince's St. Cavendish Sq. Des. and Manu.—Sideboard in walnut-tree, with carved and bronze enrichments; bronze panels: Beasts anti Phisomon, and The Judgment of Midas.
- 205 **HEWISON & SONS**, 109 Fleet St.—Cheval dressing-glass, carved in wood. Writing table, with marquetry top. Centre table, of walnut-wood, inlaid with metals, ivory and pearl.
- 206 **CALDECOTT**, Messrs. 53 & 54 Gt. Russell St. Bloomsbury, Des. and Manu.—Sideboard made of English oak, in the renaissance style. Octagon table, in Amboyna wood, and inlaid.
- 207 **FLICKNER**, E. Derby.—Crystal granite paper-hangings, admitting of being washed.
- 207 **RICHARDSON**, J. 2 Keppel St. Russell Sq.—Carved oak frame and picture cornice. Drill, carving. Coloured lithographic printing. Design of a chimney-piece. Designs for furniture &c. Mounted hora, &c.
- 208 **BAILLIE**, H. 29 Tottenham St. Des. and Manu.—Inlaid marquetry decr. Pair of thorns inlaid with marquetry, and mounted with or-molu. Fruit and flower pieces, &c.
- 209 **HARDING & SON**—Walnut table, inlaid with marquetry, of French manufacture.
- 210 **WOOLMANS & Co.** 110 High St. Marylebone, Manu.—Decorative paper hangings in various styles. Alhamdra. Pompeian, arabesque pilasters, and raised gold mouldings. East Gallery.
- 211 **MISTER**, G. 51 Frith St. Soho. Inv. and Manu.—Invalid couch, or bed.
- 211 **WHITCOMBE**, A. Cheltenham, Des. and Manu.—Portrait frames and toilet-glass, in carved and gilt frame.
- 212 **BELL**, D. 10 Ann St. Belfast, Ireland, Manu.—Carved devotional-chair, of bog oak, ornamented with two crystals, termed "Irish diamonds;" the needlework on the panel designed by the exhibitor, and executed in Belfast.
- 213 **ASTORIAL & FOX**, 70-Grosvenor St. Inv. and Manu.—Registered card-table, and dining-room chair.
- 214 **CHAPLIN**, T. Rose Tun St. Kilkenny, Ireland, Manu.—Ornamental circular oak table, with top veneered in figures, &c.
- 215 **CURRAN & SONS**, Lisburn, Co. Antrim, Ireland, Des. and Manu.—Sculptured and perforated arm-chair, from the antique; made by three poor working men, expressly for the

CLASS 26. *Furniture, Upholstery, Paper Hangings, Papier Maché, and Japanned Goods.*

Great Exhibition, of Irish black bog oak, found in Moyntagh's Moss; the crimson silk velvet manufactured by E. Jones, 3 St. Andrew Street, Dublin. Oriental pencil designs, by the makers.

216 BEVAN, C. 100 Metropolitan Buildings, St. Pancras, Des. and Prod.—Carved walnut tea-chest, executed by hand; exhibiting the art of wood-carving in all its stages.

217 BUNCE, C. & C. 32 Pratt Ter. St. Pancras Rd.—Rosewood box, glass top for ornamented pencils, with projecting brass ornaments and screws of the Elizabethan style.

218 BACON, W. 65 Wells St. Oxford St. Inv. and Manu.—Folding spring mattress.

219 KANE, G. 68 and 69 Dame St. Dublin, Inv. and Manu.—Mahogany cabinet, with chiffonniere. Tables. Carved couch. Window-curtains. Carpet. Hearth-rug. Oak tub, forming a bath and ottoman seat, &c.

220 EDWARDS, T. S. 21 King St. Holborn, Manu.—Lady's coromandel-wood dressing case. Gentleman's dressing case. New double-cut open writing box. Lady's miniature dressing case, complete.

221 BOARD, C. 23 Swindon St. Gray's Inn Rd. Manu.—Spring pillows made of spiral steel springs and whalebone. Model of a quilt made of an article imported from Russia. White goose feathers.

222 COTTAM, E. 2 Wineley St. Oxford St. Inv. and Manu.—The rheocline, or patent spring bedstead.

223 CRYSTALL, 7 Kennington Pl. Kennington Common, Des.—Teapoy, to display the application of different kinds of wood, and the art of carving.

224 CRACE, J. G. 14 Wigmore St. Manu.—Furniture and decorations in the mediaval style, piano, &c. Tapestry damasks. Silk brocatelles. Woolen stuffs for hangings. Chintzes and carpets.

225 EVANS, F. 18 Albert St. Deptford, Inv.—Improved music stand. Model of improved chair.

226 CAWLEY, J. 1 Michael's Pl. Brompton, Des. and Manu.—A three-post bedstead in Spanish mahogany, the rod forms a part of the cornice.

227 MUMFERY, F. H. 5 Railway Pl. Holloway Rd. Des. and Manu.—Press bedstead, in a pianoforte shape.

228 DAY, HARRIET, 4 Oakley Ter. Old Kent Rd. Des. and Manu.—Tea-caddy, composed of rare and valuable shells.

229 NUNN, J. 7 Upper Vernon St. Lloyd Sq. Des.—Picture frame, to answer the purpose of a portfolio, &c.

230 SUTTON, H. 93 Vauxhall St. Lambeth, Manu.—Picture frame, inlaid with tortoiseshell and pearl, composed of 1,300 pieces.

231 GODDARD, J. 21 Walcot Pl. East.—Design for paper-hangings.

232 GARDNER, J. H. 19½ Poppins Ct. Fleet St. Des. and Manu.—Satin-wood toilet glass case containing jewel-drawers, &c. combining all the requisites for a gentleman's toilet.

233 WELLS, E. 310 Regent St. Prod.—Landscape transparent blind.

234 WOLSTENHOLME, J. 12 Lord Mayor's Walk, York, Des. and Manu.—Six stall finials, or poppy-heads, of decorated Gothic architecture, and various designs, carved in Norway oak.

235 COOPER, W. M. Derby, Manu.—Pulpit for a church at Holbeck, Leeds; the figures by John Phillip, from a design by G. G. Scott, of London.

236 WETHERELL, F. S. 13 Shepherd St. Oxford St. Des. and Manu.—Carved oak Gothic cheval fire-screen, with glass panel.

237 HAWKINS, S. 54 Bishopsgate St. Without, Pat. and Manu.—Expanding dining-table, with patent screw movement. Expanding round-table, with patent cog-wheel, and screw movement.

238 HOWARD & SON, 23 Berners St. Oxford St. Des. and Manu.—Flowers drawn and modelled from specimens at Kew Gardens, by the designer, assisted by Mesdames Peachey and Strickland.

239 HANCOCK, N. 6 Bartlet Ct. Bow St. Inv.—Invalid and drawing-room easy reclining chair.

240 FOOTHRAPE, SMOVILL, & SHERTON, 25 Church St. Birmingham, Manu.—Lady's work-table. Small cabinet. Writing-desks, &c. Folio. Card-trays. Lady's dressing-case. Tea-chest and tea-caddy, &c.

241 ISAACS & CAMPBELL, 21 St. James' St. Inv. and Manu.—Patent portable barrack, college, camp, and cabin furniture.

242 JACKSON, G. 4 Russell Mews, Fitzroy Sq. Manu.—Walnut-tree richly carved cabriole settee, representing three backs of chairs, covered.

243 JOHNSON, E. 160 Piccadilly, Manu.—Iron folding hinged bedsteads, with brass hinges and legs.

244 KERSEAW, T. 35 John St. Fitzroy Sq. Painter.—Imitation of foreign and English marbles and woods, for house decorations; made of wood and slate.

245 KENDALL, C. H. 24 Mark Lane, Inv.—Decanting and corking machines, wine-finishing wisp, and champagne capsule.

247 EDWARDS, S. 13 Cannon St. Rd. Manu.—Octagon revolving library table, containing 14,000 pieces of English and foreign woods.

251 LATHAM & DIGGON, 1 Bateman's Buildings, Soho Sq. Des. and Manu.—Metal gilt vase and cover for flowers, ornamented with amethyst, garnets, turquoise, &c.

252 MOXON, C. 33 High St. Marylebone.—Decorations for a drawing room, consisting of imitations of inlaid marbles, panels, &c. Chimney-piece and glass frame, by J. Thomas.

253 MARCHANT, W.—Lady's work-table, consisting of a chess-table, with drawers, &c.

254 MARTIN, W. 6 Rutland St. Hampstead Rd. Inv.—Registered ornamental flower-pot cases.

255 GREYERIE, A. S. Farmington Cottage, Park Lane, Brompton, Manu.—Oval table; vases; basket, ornamented with flowers, &c.; made of mixed woods.

256 MILLS, H. 16 Seabright Pl. Hackney Rd. Inv. and Manu.—Rosewood loo-table, inlaid on top and bottom block, containing a secret cash-box.

257 NORTH, D. 23 Gt. Windmill St. Haymarket. Des. and Manu.—Rose-wood oval tea caddy, with flowers carved in satin-wood. Two satin-wood sugar-basins. Oval vase ebony inkstand.

258 NUTCHER, J. 5 West St. Soho, Des. and Manu.—Pair of candelabra, in ebony and ivory. Flower-stand in English yew-tree.

259 NORTH, C. 1 Queen's Head Ct. Gt. Windmill St. Haymarket, Des. and Manu.—Reading-stand. Bed-chair for invalids.

260 PINWELL, T. D. 5 Warren St. Camden Town, Des. and Manu.—Gilt zinc frame, with trellis-work border, and silk velvet lining.

261 ROJERS, W. G. 10 Carlisle St. Soho—Specimens of carving in various woods and in various styles; examples of the combination of wood carving with porcelain; and drawing of carved Bible cover.

262 RYMONDS, J. 57 New Compton St. Soho. Manu.—Wire table for flowers.

263 ROBINSON, C. 6 and 7 Greenland Pl. Gray's Inn Rd. Inv. and Manu.—Portable metal bedstead, which will form also half tester bedstead, chair-couch, and ottoman, &c.

264 ROGERS & DEAR, 23 and 4 St. George's Pl. Hyde Park Corner—Renaissance bedstead in walnut-tree, carved. Ottoman cool sarcophagus. Des. by F. Whishaw, Esq. Mahogany bedstead with washing apparatus.

CLASS 26. Furniture, Upholstery, Paper Hangings, Papier Maché, and Japanned Goods.

- 267 SIMPSON, G. 19 Eldon St. Finsbury. Des. and Mann.—Improved ornamental library table, reg. pattern.
- 268 CHATWIN, H. 30 Darwin St. Birmingham, Des. and Mann.—An assortment of articles ornamented with mother-of-pearl, Grendia pearl, silver and fancy pearl, snail pearl, and tortoiseshell.
- 271 SMOYTH, J. H., 137 Bishopsgate St.—Show goods, used by tea dealers and grocers, for decorating shops. Vases in tin, ornamented and japanned, &c.
- 273 SQUIRE, C. 20 Old Fish St. Inv.—Apparatus for baking wood, for veneering, &c. Looking-glass, with ball and socket movement. Composition and wood picture frames, &c.
- 275 THOMAS, W. 39 London St. Fitzroy Sq. Des. and Mann.—Specimen of figure-carving in oak. Composition frames, manufactured for the Royal collection of enamels and gallery pictures.
- 276 THOMAS, J. 9 Old Church St. Paddington, and New Palace, Westminster. Des. and Sculp.—Chimney-piece, imitation of inlaid marbles and decorations by Maxon. Des. for Preston Hall, modelled by T. Dighton. Model of fountain.
- 277 THOMAS, E. 1A Circus Rd. St. John's Wood. Prod.—Gothic altar-piece, imitation of stone carving. Decorations for halls and dining rooms, in Japan, &c.
- 278 VINN, T. 6 Union Walk, Kingsland Rd. Des.—Specimen of single-leaf gilding, imitation or-molu on plaster.
- 279 VOHRS, J. & W. 5 John St. Oxford St. Inv. and Mann.—Registered, revolving, double-standard folio-frame.
- 280 WYATT, M. DREY, 77 Great Russell St. Bloomsbury, Des.—Designs for manufactures and decoration, and for bookbinding. New combinations, mosaics, and encaustic paving. Frontispiece for works, published for the designer by Mr. Day, of Gate Street, Lincoln's Inn Fields. Stained glass memorial window, &c.
- 282 SPOOLERED, LOVERIDGE, & SPOOLERED, Wolverhampton, Des. and Mann.—Papier-maché trays, coal vase, baths, wine-cooler, dish-covers, Beart's patent coffee-pot, &c. Date-dials for libraries, counting-houses, &c.
- 285 WALKER, F. 49 Fleet St. Mann.—Commercial and diplomatic despatch writing-desk, in rosewood; small, rose-wood, open desk for ladies.
- 287 JONES, W. Dolgelly, Wales, Inv. and Mann.—Portfolio table, and ebony tripod.
- 288 WARREN, T. 371 Oxford St. Inv.—Patent reading-stand, carved in rose-wood, and enriched with gold and or-molu ornaments.
- 289 WHITLAKE, S. 47 Gt. Portland St. Oxford St. Des. and Carver.—Ink-stand, composed of a statuette of Milton.
- 291 WOODMAN, J. T. 6 Commercial Pl. Peckham, Inv.—Registered portable self-adjusting leg and foot rest.
- 292 BATTLEBORO, A. Anstruther, Fifeshire, Scotland, Des.—Mirror, framed and gilt, and ornamented with small shells from the Firth of Forth.
- 293 WILSON & Sons, 18A Weymore St. Cavendish Sq. Inv. and Mann.—New oval centre table with a revolving top, table, with a circular bagatelle-board. New work-table. Chess table, library table, &c.
- 301 D'ALMAINE, W. F. 6 Percy St. Bedford Sq. Des. and Mann.—Decorative panel, style of Edward I.
- 303 ARTHUR, T. 3 Sackville St. Prod.—Screen, painted by hand, in oil colours. Registered damask paper-hangings. Specimens of graining. Imitation marbles, &c.
- 304 ASCROFT, T. 35 Queen's Rd. Chelsea, Des. and Prop.—Original design for paper-hangings, being a new combination of damask and chintz work.
- 305 BARRERT, J. 246 Bethnal Green Rd. Des.—Drawings for paper hangings.
- 307 HETLEY, J. & Co. Soho Sq. Prod.—Glass shades; round, oval, and square. Bas-reliefs in sticile, or imitation ivory, after Gerard Dow and Martin, by G. Abbott and Lucas.
- 308 GODDARD, J. 21 Walcot Pl. East, Lambeth.—Design for paper hangings, of British and exotic flowers, air plants of the torrid zone, &c.
- 309 WOOLLANS, W. & Co. 110 High St. Marylebone, Mann.—Decorative paper-hangings. Paper-hanging, designed at the Government School of Design.
- 310 HUNCHLIFF & Co. 123 Wardour St. Oxford St. Mann.—Registered paper-hangings.
- 311 TENNISON, MARY ANN, Hackney Rd. Des. and Prod.—A chair in the Elizabethan style, all English materials. The chair and needlework by one person.
- 312 TRAPHILL & SON, 2 St. James, Barton, Bristol, Des. and Mann.—A handsome console chiffonnière, of the finest English walnut-wood, top of statuary marble, set in a moulding of ebony and tortoiseshell.
- 313 NEWBERT, J. & R. 2 and 3 Hemlock Ct. Carey St. Lincoln's Inn Fields. Mann.—Gold and silver papers for binding. Gold, silver, and coloured tissues. Vulcanised, washable, enamel coloured papers.
- 314 NORWOOD, C. De Beauvoir Factory, Rosemary Branch Bridge, Hoxton, Mann.—An architectural decoration, composed of printed mouldings, figures, &c.
- 315 FURKES & SON, 29 Old Change, Des. and Mann.—Imitations of marbles in water-colours on paper, and imitation of Siena, porphyry, Devonshire dove, and Brocattella marble, for skirting.
- 316 SOWTHER, T. & J. 15 Northumberland St. Newcastle-upon-Tyne, Inv. and Mann.—Monocleid writing cabinet, for collecting and arranging a great number and variety of papers, so as to be readily accessible.
- 317 TURNELL, L. 33 Pinstone St. Sheffield.—Ladies' work-table, a specimen of English elm.
- 318 TOWNSEND, PARKER & TOWNSEND, 132 Goswell St. Des. and Mann.—Paper-hanging decorations.
- 320 TURNER & Co. Elizabeth St. Fimlco, Mann.—Paper-hangings, &c. Panel decoration, des. W. Draper. Chintz and border, des. M. Marchant.
- 321 WILLIAMS, COOPERS, BOYLES, & Co. 85 West Smithfield, Mann.—Drawing-room decorations. Damasks for dining-rooms. New mode of combining metal and flock, &c.
- 322 WOOLLANS & Co. 69 Marylebone Lane, Oxford St. Mann.—Paper hangings and decorations from block printing:—Panel decoration from drawings by Miss Palmer. Paper hangings printed by machinery.
- 323 JEFFREY & ALLEN, Kent and Essex Yd. Whitechapel, Mann.—Paper printed by blocks in distemper. Specimens of a many-coloured chintz wall-paper, and of cylinder-printed wall-papers.
- 329 DAVIS, C. 26 Blackfriars Rd. Des. and Painter.—Design for the decoration of a ceiling, in imitation of inlaid wood.
- 335 HURDITZ, R. 1 Brydges St. Strand, Des. and Mann.—Design for interior decorations of drawing-rooms. Panel, after the style of the Alhambra, executed in glass &c. Commandment tablet in glass, &c.
- 336 JONES & Co. 214 Piccadilly, Inv. and Mann.—New method of decoration for the side of a room. Coloured decorations for ceilings, and other specimens.
- 337 M'LACHLAN, J. 35 St. James' St. Piccadilly, Prop.—Arabesque painting on glass, imitations of inlaid marbles on glass. Arabesque painting for the decoration of rooms, &c.
- 340 SEWELL, C. & F. 13 Charles St. Westbourne Ter. Des. and Mann.—Elizabethan ornamental screen, in imitation of various marbles and woods.
- 341 SMITH, C. 43 Upper Baker St.—Imitations of marbles, in paint, on slate and wood. Arabesque decoration for drawing-rooms, boudoirs, &c.

CLASS 27. *Manufactures in Mineral Substances, for Building or Decorations.*

22 VAUGHAN,
23 RANDALL, J. S. Newbury, Berks, Manu.—Egg-shape and circular drains, of various sizes, made with bricks. Hollow bricks. All patented.

24 BETTS, E. L. Aylesford, near Maidstone, Prop.—Products and manufactures from the Preston Hall estate. Chalk and lime. Plastic clay. Cement. Terra cotta vase, designed by J. Thomas. Terra cotta bricks; registered. Stone-ware and agricultural pipes. Hollow bricks, Roberts' and Beart's patent. Kentish rag-stone. Fullers' earth. Sand, for glass and pottery.

25 DOULTON,
26 DOULTON & Co. Lambeth, Manu.—Glazed stone ware. Architectural ornaments, vases, garden pots, and Ward's cases, for the growth and cultivation of ferns, in terra cotta.

27 BLACKBURN, B. Island of Valentia, Kerry, Ireland, Manu.—Specimens of slate slabs, from the island of Valentia. Shish bars. Roof ridge made and designed by B. Woodward. Park or garden seat. Table of slate.

28 ILES,
29 MOT,
30 READ,
31 PEARSON, W. P. Harrogate, Yorkshire, Prod. and Des.—Octagon table of stalactites, principally from the Dropping Well, Knaresborough, and its neighbourhood.

32 OASI & ARMANI, 6 Guildhall Chambers, Beasinghall St. Pat. and Manu.—Patent metallic lava pavement, ornamental slabs, and table in the Moorish style. Patent modern Venetian stucco. Stone, with marble-like polish.

33 HALL, J. & T. Marble Works, Derby, Manu.—Specimens of articles, manufactured by aid of steam machinery, at the Derby Marble and Spar Works: of black marble; Derbyshire mottled alabaster, Derbyshire rosewood marble; stalactite (Oriental alabaster); and variegated alabaster (gypsum); fluor spar.

34 TERNANT,
35 CHAMPKOVNKE, H. Dartington House, Totnes, Prop.—Polished columns of Madrepore marble, with Caen stone capitals. Various specimens of marbles, rough, polished, and manufactured.

36 VALLANCE,
37 WENIGT, J. Aberdeen, Manu.—Polished granite ornamental head-stone.

38 DOLAN, D. 27 Blackfriars St. Salford. Manu.—Scagliola gothic columns, illustrating a new method of working, &c. in scagliola.

39 BOCKLEY, G. Bayswater, Prod.—Column and two slabs, painted in imitation of Sienna marble.

40 MAGNUS, G. E. Pimlico, Inv.—Manufactures in slate: Enamelled slate; representing various marbles in-laid after Florentine mosaic, &c.

41 NICOL & ALLEN, 57 Upper Marylebone St. Des. and Painters.—Imitations of marbles; design for a table-top, imitation of in-laid marbles.

42 LAMBERT, C. Abbey, Ireland, Prop.—Dark green Connemara marble tables and Serpentine tables from Ballymahinch quarry, Galway; on pedestals of black Galway marble.

43 RUSSELL,
44 HORAX, 41 Bollen St. Dublin, Manu.—Conglomerate marble table top. Table top of red and white Irish marble, from Churchtown, county Cork.

45 M'DONALD & LESLIE, Aberdeen, Manu.—Granite vases, pedestals, and a slab for table top.

46 FRANCE, W. Tyuro, Manu.—Tables, candelabra, vases, pedestals, tazzes, &c., of Cornish granites, porphyry, steatites, and serpentines.

47 BIRD, K. Matlock Bath, Derbyshire, Manu. and

Engraver.—Models in black marble of the obelisk at Heliopolis and of the Philæ obelisk. Black marble slab. Card plates, etched, &c. with steel tools.

48 BRIGHT, S. Buxton, Derbyshire, Manu.—Black marble vases, remarkable for size, fine colour, polish, and finish; the material from the Duke of Devonshire's quarries. Mosaic octagon table, &c. "Bine John," or amethystone fluor spar chalice, from Castleton.

49 JESOX,
50 LOMAS, J. Bakewell, Manu.—Pedestals of Derbyshire marbles. Chimney-piece of Derbyshire black and Sienna and rosewood marble.

51 OLDFIELD & Co. Ashford, Manu.—Column of black marble, from the Arrock Hill quarry, Ashford. Column of laminated rosewood marble, from Nettle-Dale, near Ashford. Column of russet grey marble, from High-Low, near Sheldon. Column of light entrochal marble, from Ricklow-Dale, near Monyash.

52 KROFFEN,
53 TOMLINSON,
54 TURNER, J. Buxton, Derbyshire, Manu.—Two jugs, each 56 inches high, made of black marble, found at Ashford, Derbyshire.

55 HOSKER, R. Penryn, Cornwall, Manu.—Granite obelisk and base, 20 feet high, weighing about 15 tons, of Cornish granite, from the quarries at Carnesu, near Penryn.

56 WOODRUFF,
57 ORGAN, J. Penzance, Cornwall, Manu.—Baptismal font, obelisks, vases, cabinet of specimens, &c. of serpentine stone from Lizard, Penzance.

58 SIMON & Co. Vauxhall Pottery, Manu.—Specimens of patent mosaic pavement, of highly vitrified coloured glass. Stone-ware still and head, of an improved material, glazed inside.

59 MITTON,
60 THE EARL OF LOVELACE.—Ornamental bricks and tiles, designed and manufactured at Ockham, in Surrey.

61 RUFFORD, F. T. Stourbridge, Manu.—Bath, adult size, in one piece, made with fire-clay plated with porcelain, and glazed. Bricks for waterproof walls, &c.

62 MARGRETT, T. K. Oxford, Des.—Sculptured baptismal font.

63 BOND, ASPDIX, & Cox, Northfleet, and Gt. Scotland Yd. Whitehall, Manu.—Illustrations Portland cement, to show the strength, for making sandings, cills, paving, &c. illustrations of its comparative strength.

64 SPENCER, M. & T. Gawthorpe Works, near Glasgow, Manu.—Jet d'eau, vases, and pedestals, water-pipes, and fire-bricks, manufactured from fire clay or terra cotta, &c.

65 RANSON & PARSONS, Flint Wharf, Ipswich, Inv. and Manu.—Artificial stone in the raw state, and in its various stages of manufacture, and its applications.

66 LANE & LEWIS, Clifton, near Bristol, Des. and Executors.—Statue of St. Peter in canopied niche of Caen stone.

67 BROWN, R. 58 Gt. Russell St. Bloomsbury, Des. and Sculp.—Sepulchral monument of the decorative period, in Caen stone.

68 STEWART,
69 FRANCIS & SONS, Nine Elms, Manu.—Specimens of Parian cement of various qualities. Medina cement. Cement for railway-cutting drainage. Cement water-filter. Drain pipes manufactured by machinery.

70 KERR, R. W. 124 Vauxhall Walk, Lambeth, Inv. and Manu.—Samples of mosaic pavement, in terra cotta and other vitrified substances. The tesserae forming the pattern cemented by vitrification to the base.

71 LIFSCOMBE,
72 PORTER, W. H. 3 Pembroke Road, Dublin, Prop.

CLASS 27. *Manufactures in Mineral Substances, for Building or Decorations.*

- (in trust).—Specimens of ware, manufactured by Murray & Cowper, of Glasgow, from Irish clays. Ornamental specimens of Irish marble, from Clifden, county Galway, worked by A. McDonald, a self-taught artist.
- 99 BLANCEBARR, 100 GRIFFITHS & STRONG, Eastow, near Whitby, Mann.—Cement stone. Model of an agricultural cottage. Cement tiles for facing houses.
- 101 TOMSON, L. Church Ter. Wisbech, Des. and Mann.—Moulded architectural bricks. Equilateral triangular quarterfoil brick window. Models of Christian memorials, &c.
- 102 SEALY, J. Bridgwater, Inv. and Mann.—Patent roofing tiles. Corn and malt kiln tiles, paving tiles, &c. Bridgwater scouring bricks, Bridgwater clays, &c.
- 104 GRANGEMOUTH COAL CO. Grangemouth, Scotland, Mann.—A fountain. Two large vases and pedestals, by Mr. Wornell. Fire-bricks, fire-clay, pipes, &c.
- 106 FERGUSON, MILLER, & CO., Heathfield, near Glasgow, Mann.—Fire clay Warwick vase, with flower vase, and glazed stone-ware pipes of the same.
- 106 FORDHAM & SON, Royston, Herts, Mann.—Improved bricks, from clay found upon the estate.
- 107 HAYWOOD, II., & R. BROWNHILL'S Tileries, near Burslem, and 15 South Wharf, Puddington, Mann.—Superior metallic clay, from mines at Brownhill's, near Burslem, with samples of manufactures, ornamental pavements, &c.
- 108 KEY, E. S. Bale, Dereham, Norfolk, Inv.—White and red brick window frames, &c. Glazed valley tiles, manufactured by W. Colman, Swanton Novers.
- 109 GREEN & CO. 110 ROBERTS, 111 PRAKE, T. Tunstall, Mann.—Plain and ornamental roof tiles, bricks, paving tiles, drain pipes, &c. Imitation of the Warwick vase, in terra-metallic, &c.
- 112 SKINNER & WHALLEY, Stockton-on-Tees, Inv.—Vitroous, white, and coloured marble pastes, for mosaics, buildings, &c. Patented.
- 113 BOWERS, CHALDINOR, & WOOLSCROFT, Brownhills, Tunstall, Staffordshire.—Oak carved cornice, rosewood gothic cornice, ornamental bricks, arch bricks, &c.
- 114 115 STIRLING, T. sen. Bow Bridge Slate Works, and 478 New Oxford St. Inv. and Mann.—Patent rapid ascension and other filters. Enamelled slate chimney-piece. Chest-table tops, &c. Patent steam fuel.
- 116 HARPER & MOORE, Stourbridge, Mann.—Glass-house pots. Crucibles. Stourbridge fire-bricks, &c. used in the manufacture of plate and flint glass.
- 117 BROWN, R. Surbiton Hill, Kingston, Surrey, Inv. and Mann.—Grooved ridge tile. Ornamental and plain tiles for Gothic buildings. Carved Italian tiles.
- 118 WORMAN, J. Stamford Hill, Inv.—Waterproof bricks, &c.
- 119 HADDOS, 121 WESTWOOD & MOORE, Stourbridge, Mann.—Specimens of glass bottles and improved glazed stoneware.
- 122 JONES, W. Springfield Tile Works, Newcastle-under-Lyme.—Model roof material, of plain and ornamental tiles, &c. Paving-quarries tiles, chimney-pipe, terra-metallic plain and socket-pipes, &c.
- 123 HUNT, C. Inv. and Mann.—Slate enamelled filter.
- 124 RAMSAY, G. H. Derwent Haugh, Newcastle, Inv.—Fire-clay goods, gas retorts.
- 125 LUFF, J. Tuddenham, Ipswich, Mann.—Ornamental chimney shafts, and red bricks; red and white ornamental bricks, ridge tiles, paving tiles, malt-kiln tiles, &c.
- 126 COWEN & CO. Blaydon Burn, Newcastle-upon-Tyne, Mann.—Patent fire-clay gas retorts; fire-bricks; rough fire-clay; and canal coal.
- 127 AMBROSS, J. Copford, near Colchester, Mann.—Gothic chimneys of red and white bricks. Specimens of white bricks and unmanufactured clay.
- 231 CALVERT, G. Huddersfield, Painter.—Imitation of mahogany, oak, satin-wood, and maple.
- 331 HARLAND & FRYER, 36 Blackman St. Borough, Inv.—New method of imitating marbles, by painting upon glass, applicable to all purposes of decoration.
- 340 RAMPTON, J. A. 49 Union Passage, Birmingham, Inv. and Mann.—Moss wood, a composition of moss, peat, and refuse of any kind of wood. Patented. A plastic material made from moss and lime, which will bear a heat of 160 degrees. Specimens of pressed moss fibre.
- 341 BESLEY & CO. Fann St. Aldergate St. Mann.—Improved hand-mould for type casting. Specimens of the type-founders' art; typographical embellishments, from the antique, &c.
- 342 BRANNAN, T. Barnstaple, Devon.—Sample of Devonshire clay, in its untempered state, from Fremington, near Barnstaple. An oven for baking bread and meat. Jugs, pitcher, and milkpan, of the same clay.
- 343 BROWNE & CO. University St. Des. and Prod.—Sculptured statuary marble chimney pieces. Scagliola porphyry sphinx.
- 344 DALTON, M. Holloway St. Exeter, Inv. and Mann.—Table top, containing choice polished specimens of chalcodony, conglomerates, jaspers, agates, fossil woods, &c., collected at Salterton, Sidmouth, and Branscombe, &c.—Chest-table top, containing 64 various specimens of chalcodony, agate, and fossil wood.
- 345 FURSE, T. W. 95 High-St. Whitechapel, Inv. and Mann.—Waterproof artificial stone, for sewers and drains of large dimensions; for flooring churches. Drains for railways, &c.
- 346 HICKMAN, R. & CO. Stourbridge, Mann.—Ge-retort, made of Stourbridge fire-clay.
- 347 JENKINS, T. Bagga Mills, Lanreath.—Bearing stones, raised at St. Neotts, Cornwall, used to support the pivot or gudgeon of upright shafts, instead of brass.
- 348 KING & CO. Stourbridge, Prod. and Mann.—Glass-house pot; model of glass-house furnace; and segment of gas-retort, made of Stourbridge clay, &c.
- 349 LIVINGSTON & SON, Portobello, Edinburgh, Des. and Mann.—The United Service vase with pedestal, and other vases.—Elizabethan chimney-pot. Registered pointed pipe.
- 350 MALONE, F. Selbridge, County Kildare, Ireland, Inv.—Roofing tiles of new description.
- 351 McANASTIE, P. & T. 31 Gt. Brunswick St. Dublin, Inv. and Prod.—Hydraulic granite and Portland cements, adapted for outside works the first ever made in Ireland. Specimens of Oriental marbles, in scagliola. Specimens of mosaic or tessellated pavements.
- 352 MOODY, C. P. Sandford, near Sherborne, and Wareham, Dorsetshire, Mann.—Tessellated pavements. Ornamental and plain tiles. Gothic arch. Moulded cornice. Manufactured under Hutchison's British and foreign patents.
- 353 MOON, G. Godalming, Surrey, Des.—Octagon table, made of several kinds of marble.
- 354 OLIVER, I. 59 Upper John St. Fitzroy Sq. Des.—Imitations of Siena, Mosa, and *rouge royale* marble.
- 355 OLLIGAN, P. Oldcourt, Blesinton, Ireland, Mann.—Baptismal font, cut out of a single block of granite from the Woodend quarry, near Blesinton, &c.
- 356 PORT DUNDAS POTTERY CO. Glasgow, Mann.—Glazed and vitrified stoneware pipes. Stoneware tap, or stop cock, specially adapted for liquid manure purposes, &c.
- 357 PHILLIPS, C. Weston-super-Mare, Mann.—Flower-pots, &c. of superior clay. Flower guards and seed basins, strawberry tiles, striking pans, &c.

CLASS 28. *Manufactures from Animal and Vegetable Substances, not being woven or felted.*

- 358 SCOTT BROTHERS, Southwick, Sunderland, Mann.—Specimens of different sorts of earthenware.
- 359 SCOTT, H. Southwick, Sunderland, Mann.—Specimens of common green-glass bottles, and white bottles in the different stages of manufacture.
- 360 STRICKMAN, C. 35 Charles St Hampstead Rd. Des.—Slate tablets, japanned and ornamented, adapted for churches and other buildings.
- 361 STREZ, E. 33 Richmond St. Kensington Rd. Inv.—Drain and water pipes in glass and clays, with water-tight joints.
- 362 SQUIRES & SONS, Stourbridge.—Model of a glass-house furnace, with pots of Stourbridge fire-clay, showing one in a working state; and of a pot, in which the glass is melted.
- 363 WENTHEIMER, S. 35 Greek St. Soho.—Jewel caskets. A Louis XIVth work-box. Candelabra. Or-molu inkstand, highly ornamented, &c.
- 364 WINNOW, J. Smeinton, Inv.—Specimen of a new and durable substance for oil paintings.
- 365 WORTINGTON, C. Chesterfield, Inv. Des. and Mann.—Bed-cover of patch-work, the number of pieces nearly 90,000.
- GEORGE, J. 43 Edgware Rd. Inv. Pat. and Mann.—Model of a house; built with wrought iron and slate slabs, glass, &c. intended to secure stability, durability, and freedom from damp and vermin, to save space and improve temperature and ventilation.

CLASS 28. *Manufactures from Animal and Vegetable Substances, not being woven or felted.*

- 3 HASTINGS, S. Limerick, Ireland, Mann.—Brushes, for shoes, horses, stoves, grates, &c.
- 7 GRIFFITHS, W. 92 Grafton St. Dublin, Inv. and Mann.—Bracelets and other ornaments, made of bog oak and yew. Irish harp brooches, with Irish beryl, pearls, and diamonds.
- 8 WHITEHEAD, I. 5 Church Lane, Dublin, Des. and Mann.—Portrait frames. Specimens of moulds, sunk in box-wood.
- 9 SCALING, W. 37 George St. Edinburgh, Mann.—Flower-pot stand, exhibiting a new combination of iron and willow.
- 10 KEMP, R. 3 Nottingham Pl. Edinburgh, Des.—Table top, imitation of inlaid marble.
- 12 RAMSEY, J. Berwick-on-Tweed, Inv. and Mann.—Bee-hive, with moveable bottom and screw; with a moveable crown; and with glass crown, &c.
- 15 JOHNSON, P. Wigan, Mann.—A quantity of fancy turned articles in ivory, wood, and canal coal.
- 16 FARRAR & SON, Chapel Lane, Bradford, Mann.—Twine made from hemp, flax, and cotton.
- 18 CRUMMACK, E. York, Prop. and Mann.—Tortoise-shell, ivory, and horn dressing-combs, made by hand.
- 20 McCLEFFROE, G. York, Mann. and Des.—Chain cut from a solid block of wood.
- 21 JACKSON, T. 3 Pinstone St. Sheffield, Mann.—Brushes, used by table knife and fork manufacturers, outlers, silversmiths, &c.
- 22 SMITH, J. 79 Sidney St. Sheffield.—Door furniture, &c. in ivory and fancy woods, and japanned. Carved bread-plates, &c.
- 23 MAUNDER, J. Launceston, Cornwall, Mann.—Small wood table, with miniature dessert set, turned in ivory.
- 29 PERRY, W. Bridge St. Taunton, Des. and Executor.—Vase of roses, carved in box-wood. Specimens of carving in its various stages.

- 30 SCHOOL OF INDUSTRY FOR THE BLIND, Bristol, Mann.—Worsted hearth-rugs; worsted and cocoa-nut fibre doormats; fire-screens; basket; diab-mats, &c. Made entirely by blind persons.
- 34 COOK, J. Bradford St. Walsall.—A variety of brushes.
- 35 LEE, F. Spidham, Norfolk.—Oak lectern, of the flamboyant, or late decorated style of architecture.
- 36 FIELD, F. Norwich, Des. and Carver.—Carvings in oak, &c.
- 38 BEVINGTON & MORRIS, 67 King Wm. St. City, Mann.—Cardinals, boss, muffis, cuffs, and gauntlets, in a variety of furs.
- 39 THELGAAR, T. 43 Ludgate Hill, Mann.—Matting, door-mats, rug, mattress, brushes, brooms, bonnet hat, sewing or fine cloth, &c. of cocoa fibre and Manila hemp.
- 40 WILBY & Co. 7 Holland St. Blackfriars Rd. Southwark, Pat. and Mann.—Cocoa-nut fibre, floor-mattings, doormats, netting, &c. Cocoa-nut husk, fibre, &c.
- 41 KING, J. 49 Tufton St. Westminster, Des. Inv. and Mann.—Baskets and chandelier, manufactured of coloured straw.
- 42 ROBINSON & Co. 36 Welbeck St. Cavendish Sq. Imp. and Inv.—Specimen of China matting, stained in pattern by a new process.
- 43 ARMSTRONG, J. 9 Chad's Pl. Gray's Inn Rd. Des. and Mann.—Carriage rugs. Mats. Rugs and mat of worsted, with hemp and jute, and cocoa fibre.
- 45 RANK, J. F. 24 Brownlow Rd. Dalston, Inv. and Mann.—Bird cage, made principally of ivory.
- 46 FESTUM, MARTIN, 8 Henning's Row, Charing Cross, Mann.—Improved ivory chessmen and board.
- 49 BROWN, H. 157 Whitechapel Rd. Inv.—"British ivory (not a composition)."
- 50 HARTFIELD, W. 3 Prospect Row, Southwark.—Tortoiseshell frame, inlaid with pearl shells. Miniature frames. Inlaid knitting boxes, needle and card cases. New doo-plates.
- 51 COATE, J. & Co. 5 Brewer St. Golden Sq. St. James's, Des. and Mann.—Concave tooth-brush. Hair-brush, &c.
- 52 CROOK, T. 7 Belvidere Pl. Bethnal Green, Inv.—An invention to prevent the handles of brushes used for glue, paste, varnish, paint, pitch, tar, &c. from becoming covered while working.
- 54 GREEN, —, 2 Webber St. Blackfriars Rd. Mann.—Specimens of hair workmanship.
- 55 GOSWELL & Co. 12 Three Kings Ct. Lombard St. Mann.—Extracts and perfumery. Fancy toilet soaps of various kinds. Fancy brushes and combs.
- 55 SMITH, A. 8 and 9 Osborn St. Whitechapel, Inv. and Mann.—Painting brushes, flat and fit for heavy or fine descriptions of work.
- 56 ESCUY, E. R. 80 Gracechurch St. Pat. and Mann.—Specimens of brushes manufactured from an animal substance almost in disuse.
- 59 LAWRENCE & Co. Islington Pl. Park Rd. Islington, Mann.—Patent improved horse-hair flesh gloves and straps, for friction of the skin. Flesh brushes of a new design, with hat, cloth, velvet, and horse brushes, &c.
- 61 CHILD, W. H. 21 Providence Row, Finsbury Sq. Prod.—Improved stock brush, bound with copper. Improved flexible flesh brushes. Hair brushes. Improved nut-crackers.
- 62 TRUFFITT, H. P. 20 and 21 Burlington Arcade, and 114 Piccadilly, Inv. and Mann.—Wigs, head-dresses, hair-dyes, brushes, combs, &c.
- 64 ROW, W. F. 119 and 120 Bishopsgate St. Within, Inv. and Mann.—Ornamental hair. Specimens of dyed hair Brushes, ornamental perfumery, &c.

CLASS 28. *Manufactures from Animal and Vegetable Substances, not being woven or felted.*

- 65 **TRUFRITT, W.** 1 New Bond St.—Carved ivory brushes and comb. Tortoiseshell combs. Head-dresses of natural hair.
- 67 **SLAPE, G.** 7 Brook St. New Rd. Des. and Manu.—Fancy feather brush, carved in English walnut.
- 68 **NASH, T. Jun.** 19 Swan St. Dover Rd. Southwark, Inv. and Manu.—Registered copper-bound painter's brushes.
- 70 **TALLERMAN, RICHMOND,** 90 White Lion St. Norton Folgate, Inv. and Manu.—Waterproof Cashmere, adapted to ladies and children's boots and shoes. Black silk and satin side-faced boots; velvet boots, &c.
- 73 **HODGON, R. F.** 44 Southampton Row, Russell Sq. Inv. and Manu.—Mechanical purchases; highly elastic tackle, made of India rubber, &c. Travellers' staffs. A hand-carriage to convey bundles or packages, &c. Application of India rubber to guns, bows, &c.
- 73 **SANDERS, J.** 11 Fore St. Cripplegate, Reg.—India-rubber waterproof umbrellas tent.
- 75 **WATERBROUGH, J.** 52 Little Britain, Inv. Pat. and Manu.—A waterproof cloth in imitation of velvet; each side can be made of a different colour, suited for upholstery, binding of books, caps, &c.
- 76 **MACKINTOSH, & Co.** 73 Aldermanbury, and Cambridge St. Manchester, Imp. Manu. and Pat.—India-rubber specimens, illustrative of its manufacture, and collection of manufactured articles.
- 77 **BURN, LOCKWOOD, & Co.** 19 and 20 Wallbrook, Imp.—Specimens of the various descriptions of native Para India-rubber, or caoutchouc, and of gutta percha, with samples illustrative of the various stages of manufacture, and of the purposes to which each description is applied.
- 78 **NICKLEA, C. & Co.** 13 Goldsmith St. Cheapside, Manu.—Various articles manufactured from India-rubber.
- 81 **MATTHEWS, S.** 58 Charing Cross, Manu.—Large sized India-rubber portable boat, and India-rubber cloak boat, designed by Lieut. Halkett, R.N. India-rubber portable bath.
- 82 **CORDING, J. C.** 231 Strand, Prod.—Waterproof coats, capable of being used with either side outward. Waterproof capes. Ladies' waterproof silk capes and hoods, made of silk, &c.
- 83 **BURKE, W. H.** 9 Gresham St. West, Manu.—India-rubber waterproof garments, cushions, pillow and swimming belt. Mohair and gempage braids India-rubber thread and webs. Patent mineralized rubber, unaffected by heat, cold, or grease.
- 84 **BELL & Co.** 7 Noble St. Des. and Inv.—Ventilating waterproof cloth, of extreme lightness and pliability, prepared without oil, paint, grease, or tar.
- 85 **THE GUTTA PERCHA CO.** 18 Wharf Rd. City Rd. Imp. Pat. and Manu.—Gutta percha: collection of specimens illustrative of its various applications and modes of manufacture.
- 87 **WALKER, T.** 1 Conduit St. Regent St. Inv. and Manu.—Gutta percha hat-bodies. Ventilated velvet hats, &c. Hat-case, answering for a life-buoy float, foot-bath, &c.
- 90 **TRUMAN, E.** 40A Haymarket, Inv.—Patent artificial teeth, with gutta percha.
- 91 **SAYCE, J. & Co.** 58 Cornhill, Manu.—Patent pluma, or six-ounce coat, &c. A new material, a mixture of silk and viounga, extra water-proofed.
- 95 **SMITH, O.** 21 King St. Covent Garden, Manu.—Specimen of ivory turning and carving, &c. by George A. Smith, 22 May's Buildings, St. Martin's Lane.
- 96 **HAYNES, S.** 6 James St. Cole-hrbour St. Hackney Rd. Des. and Manu.—Candlesticks made of ebony and ivory, with stands.
- 97 **GRUGON, A.** 24 Thomas St. Hackney Rd. Des. and Manu.—Fish and flower-stand, bird's-eye maple, and dyed to imitate nature.
- 98 **TURNBULL, T.** William St. Portland Town, Prod.—Specimens of improved wood sawing.
- 99 **MILNE, J.** 40 Leani St. Caledonian Rd. Maker.—Model of the choragic monument of Lycocrates, at Athens. Lantern of Demosthenes, n.c. 334; scale 7-8ths of an inch to the foot. Carved in chestnut.
- 100 **SCHOOL FOR THE INDIGENT BLIND,** St. George's Fields, Southwark, Manu.—Articles manufactured by the blind. Worsted hearth-rug and fire-screens. Bankets. Knitted and netted work. Hair brooches, bracelets, &c. Paper cuttings, &c.
- 101 **CAIRNS, R.** 18 Artillery Lane, Bishopsgate St. Without, Inv. and Manu.—New willow drawing-room chair. Willow sofa-bed chair.
- 102 **WILLIAMS, J.** 40 Exeter St. Strand, Manu.—Basket of superior fineness, for the use of soiled linen.
- 103 **BOND, HENMAN,** 11 Portea Pl. Connaught Sq. Inv. and Manu.—Varieties in basket work.
- 104 **POTTS, D.** 18 St. Dunstons Hill, Tower St. Manu.—Figured vase, for flowers, in basket work, with water-proof lining.
- 105 **MURRAY, J. & Co.** 17 Ave Maria Lane, Manu.—Scotch wood articles, of new design, ornamented with painting, tartan plaids, &c.
- 106 **MALLANDERS & Co.** 5 James St. St. Luke's, Manu.—Table inkstands, with one stoppered ink glass made from English sycamore, stained black and polished.
- 109 **WHITLEY, W.** 2 Clipstone St. Des. and Manu.—Blocks or lasts for the feet.
- 110 **BECKET, T. J.** 8 York St. St. James's Sq. Inv.—Registered peg to secure linen whilst drying; also applicable to holding papers together.
- 111 **SHEPPARD, F.** 125 Kingland Rd. Prop.—Articles of fancy woodwork, manufactured in Ayrbire, consisting of needle, card, envelope and cigar cases, snuff-boxes, &c.
- 112 **SANDY & POWELL,** 76 George St. New Rd. Manu.—Specimens of fret cut wood-work, cut by a perpendicular saw.
- 113 **TAYLOR, C. & A.** 30 Berner's Mews, Oxford St. Des. and Manu.—Specimen of fret-work, cut by improved machinery, used in the decoration of piano-fortes, organs, cabinet-work, &c.
- 116 **ROUSSEAU, A.** 358 Strand, Manu.—Shawl boxes. Velvet embroidery. Lace-cases, writing-paper, and other ornamental cases.
- 117 **HARRIS, S. & H.** 41 and 27 Mansell St. Imp.—Specimens of sponges, with description of their different uses. Samples of harness polishes, dye, and polishing pastes, with specimens of their effects.
- 118 **BARBER, C. A.** Counter, 440 Soho Bazaar, Des.—Landscapes and figures, cut from paper with scissors, without copy or outline.
- 119 **BURGESS, J.** 1 Johnson St. Horseferry Rd. Westminster, Manu.—Flower vase, cut from paper with scissors.
- 120 **COLLINGS, J.** 14 Gt. Ormond St. Bloomsbury, Inv. and Maker.—Arm-pad for journeymen tailors, abolishing cross-legged sitting.
- 122 **JONES, J.** 25 John St. Cannon St. St. George's East.—Shoe pegs, to make boots or shoes without welts or stitches, cut by hand and by machine. Shoes made with pegs, and in the different stages of manufacture.
- 124 **HASH, J. H.** 6 Featherstone St. City Rd. Inv. and Manu.—Corks cut by machinery: the machinery originally patented in 1830, but has since been much altered.
- 125 **ESDAILES & MARGRAVE,** City Saw Mills, Regent's Canal.—Specimens of novel uses of cork and of preparations of cork, by steam machinery; applicable to the making of hats, mattresses, bolsters, &c.
- 126 **FRENCH & BUTLER,** 28 Piccadilly, Manu. and Imp.

CLASS 29. *Miscellaneous Manufactures and Small Wares.*

—Specimens of different qualities of ready-made corks of English and Spanish manufacture.

127 **BILZARD, J.** Cheltenham, Mann.—Moulded panels and mouldings, cut by machinery; with the tools employed in the process, &c.

128 **FRANK, C.** Wolverhampton, Mann.—Basket, for clothes.

131 **PRETZ & SON,** Birmingham, Mann.—Articles covered and inlaid with tortoiseshell, mother-of-pearl, gold, silver, garnets, &c.

132 **HAYDEN, J.** 35 Northwood St. Birmingham, Des. and Mann.—Lady's cabinet, and small cases; tortoise-shell, and pearl.

137 **COCKERILL, R.** Banbury.—Blacking for boots, shoes, and harness. Liquid dye for harness. Polishing paste, metals, writing inks.

138 **SPRINGFIELD, W.** Wisbech, Des. and Mann.—Models of wine pipes, casks, tubs, churns, and other articles of coopers.

141 **GARRETT, I.** Victoria Ter. Woodbridge Rd. Ipswich, Mann.—Ornamental turned snuff-boxes, in ivory, and fancy foreign woods.

143 **GOULD, J.** Tottenham Park, Marlborough, Des.—Bible, with carved oak cover, silver plated clasps; the carving and clasps hand worked.

144 **REWDALL, J.** Stromness, Orkney, Scotland, Mann.—Various samples of Tuscan plait, for bonnets: the straws grown and dressed in Orkney, and plaited by the females.

145 **STILL, C. S.** Smooogrov House, near Kirkwall, Scotland, Prop.—Specimens of the straw plait, for making bonnets, hats, &c., which affords employment to the women of Orkney.

146 **MACGREGOR, J. W.** 26 Jamaica St. Glasgow, Mann.—Ship's harness cask, brass hooped and mounted; deck buckets, &c. Imperial bushel measures. Ten-gallon cask, made out of red oak staves, prepared with melted tallow.

151 **KIMMO, J.** Pole Hora, Wexford, Ireland, Des. and Mann.—Registered picture frame, of new design, executed in Irish bog oak.

152 **MOHER, LOUIA,** Ballinkeeole, Enniscoortey.—Samples of *Cynosurus cristatus* grass, or Traneen, and of rye straw. Plaits and articles made of the same.

154 **TOPPIN & SON,** Ashby-de-la-Zouch, Des. and Mann.—Improved royal letter-basket; fancy knitting-basket; work-basket, and dog-kennel.

155 **DUNLOP, J.** Lander, Scotland, Inv.—Fishing or trout basket.

156 **ADAMSON, R.** Colingsburgh, Fifeshire, Scotland, Des. and Mann.—Scotch willow basket for carrying fine fruits.

157 **HALLIDAY, W.** Chilton-super-Polden, near Bridgewater.—Piece of carving in solid English oak: The Canterbury pilgrims setting out from the Tabard, by a self-taught artist.

158 **ABOTT, J.** 63 Thomas St. Dublin, Mann.—Manufactured whalebone.

159 **BRIN, C.** Dublin, Mann.—Clarified chemical mould candles.

160 **BURSILL, EMILY & CLARA,** 9 York Ter. Queen's Rd. Hornsey Rd. Holloway, Mann.—Compressible gutta percha toys.

161 **HAWLEY, J. & T.** 181 Bromsgrove St. Birmingham, Mann.—Specimens of bone tooth, nail, shaving, hair and hat brushes.

162 **HEWENS, N. J.** Hayes, Uxbridge, Inv.—A hoof of a horse shod with gutta percha.

163 **HILL, H. C.** 35 Park St. Kingsland Rd. Inv.—Mechanical life buoy.

164 **HORN, J.** Harcourt St. Dublin.—Straw hat and bonnets.

165 **LAYCOCK & SON,** Porto Bello Pl. and Mill Sands, Sheffield, Mann.—Specimens of damask and striped hair-seating. Russian and South American horse-hair. Materials used in the manufacture of hair seating, &c.

166 **LEAKE, F.** 9 Warwick St. Regent St. Des. and Mann.—Tapestry hangings. Cornices for rooms and window decorations. Leather foliage, fruit, and flowers, in gold, and colour, &c. Furniture, with reliefs in leather. Bindings for books, &c.

167 **MITTFORD, B.** Cheltenham, Maker and Inv.—Concentric balls, made of solid spheres of box-wood, like those made by the Chinese.

168 **NEWMAN & LYONS,** High Holborn, Inv. and Mann.—Improved cottage bee hive; ladies' observatory hive; Nutt's collateral bee hive; Taylor's amateur bee hive. Specimens of honey, &c.

169 **OOLESY & CO.** 53 Paradise St. Lambeth, Mann.—Refined spermaceti, stearo-margaric acid candles.

170 **RANSAY, G. H.** Newcastle-upon-Tyne; Prod.—Articles in Ramsay's cannal coal. Model of a monument to the late Earl of Durham. Wine-coolers, tea-set, gas-retorts, large pipe, &c.

171 **REID, C.** Bedford, Mann.—Spinning tops. Ivory billiard balls. Cricket bats, &c. Specimens of spiral and other turning.

172 **SMITH, T.** Hurstmonceux, near Hailsham, Mann.—A set of Sussex truck-baskets, made of willow wood.

173 **TYLER, S. W.** 15 Walcot Pl. Kennington, Inv. and Mann.—Cocoa-nut fibre matting, having a coloured pattern and carpet-like appearance; wove, showing a pattern on both faces. Protected by caveat.

174 **WHEWELL, G.** Blackburn, Inv.—Pair of card or grinder's brushes, to be used in dressing or cleaning cards of cotton, preparatory to spinning.

175 **WESTALL & CO.** 69 Aldergate St. Prop.—Whalebone from Greenland, north-west coast of America, South Pacific Ocean, and western coast of Australia. Finer, from hump-backed whale, &c.

CLASS 29. *Miscellaneous Manufactures and Small Wares.*

1 **ROWLAND & SON,** 20 Hatton Garden, Prop.—Articles of perfumery and for the toilet; oils, cosmetics, dentifrices, &c.

2 **YARDLEY & STATHAM,** 7 Vine St. Bloomsbury, Mann.—Specimens of refined scented soaps.

3 **KIMMEL, F.** 39 Gerrard St. Soho, and 19 Boulevard de la Gare d'Ivry, Paris.—Artificial hair. Scent fountain, for cooling and perfuming apartments, &c. Scented winter bouquets. Perfumery, &c.

4 **WILLIAMS & SON,** 28 Compton St. Clerkenwell, Mann.—Soaps used by cloth manufacturers, lace-bleachers, and woollen-manufacturers. Scouring soap. Mottled and yellow soap. Fancy soaps, perfumed.

5 **TAYLOR, HUMPHREY, & CO.** King's Rd. Chelsea.—British liqueurs distilled from foreign and English fruits, &c. Distilled waters, extracted from flowers, herbs, &c. Fancy scented soaps.

6 **LLOYD, A.** 10 Beak St. Mann.—The *Suxetic*, for shaving without soap or water.

7 **LANGDALE, E. F.** 83 Upper Thames St. and 52 Frith St. Soho, Mann.—Specimens of perfumes. Samples of essential oils for distillation, flavouring confectionery, and summer beverages.

8 **KNIGHT, J.** Old Gravel Lane, St. George's, Middlesex, Mann.—Extra pale-yellow soap, of pure and harmless

CLASS 29. *Miscellaneous Manufactures and Small Wares.*

- 73 GATTI, A. & G. 20 Coppice Row, Clerkenwell, Prop.—Articles used in making artificial flowers, both before and after being made up into flowers.
- 74 FOSTER & DUNCAN, 16 Wigmore St. Mann.—Articles used for artificial flowers, in the different stages of manufacture. Ostrich feathers. Muff and tippet of paddy or Mirabeau feather.
- 75 EWART, HENRIETTA, Bath Pl. New Rd. and Ampt-hill Sq. Hampstead Rd. Mann.—Vases of wax flowers and plants.
- 76 DEVEH, JEANETTE, 24 Somerset St. Portman Sq. Mann.—Wax flowers.
- 77 DORVILL, ELIZABETH, 199 Oxford St. Inv.—Wax flowers.
- 78 CHEBOLME, EMMA, 29 Edward St. Hampstead Rd. Mann.—Wax flowers.
- 79 LEMARE, JANE CLARA, 11 Cowley Ter. North Brixton, Mann.—Wax flowers, with materials.
- 80 FISHER, J. 3 Cripplegate Buildings, Mann.—Hawthorn or May-tree and other British manufactured artificial flowers.
- 81 JONES, ISABELLA B. 22 St. George's Rd. Notting Hill, Mod.—Group of wax flowers, from nature.
- 82 MOWLAND, CHARLOTTE G. 23 Eaton Mews South, Eaton Sq. Mann.—Wreath on white satin, with chenille and craps, design for an ornament or trimming.
- 83 SKILL, REBECCA, 79 Warwick St. Pimlico, Inv. and Mann.—Infrangible wax flowers. Specimens of the materials employed.
- 84 STANTON, MARY, 19 Noel St. Islington, Mann.—Wax
- 85 GING, J. & Co. Clonmel, Ireland, Mann.—Pale-yellow and white soap; exhibited for quality.
- 86 MITTON, T. Penny St. Blackburn, Inv. and Mann.—Improved fancy wax candles.
- 87 DIXON, G. 1 and 2 Upper Erne St. Dublin, Mann.—Improved composite and mould candles. Household soap.
- 88 MORRELL, J. Darlington High Row, Durham, Inv. and Mann.—Tallow candles, which burn without snuffing, marbled and perfumed.
- 89 MITCHELL, G. A. Woolwich, Prod. and Inv.—Samples of vinegar, mineral candles, and of a composition for preserving houses from damp.
- 90 JONES, Rev. W. H. Chailey, near Lewes, Sussex, Inv. and Pat.—The acolyte patent safety candle-cap.
- 91 SANDELL, E. Putney, Inv. and Mann.—Odoriferous lighters, for lighting tapers, lamps, &c., and refreshing the atmosphere of sick-chambers, smoking-rooms, &c.
- 92 HALE, W. S. 73 Queen St. Mann.—Stearine, and stearine and composite candles, &c.
- 100 FREEMAN, MESSRS. 3 Wigmore St. Cavendish Sq. Mann.—Bleached bees-wax and refined spermaceti candles, with plaited wicks; with materials. Registered model of a percolator.
- 101 GOWER, T. Gun Lane, St. Stephen's, Norwich, Inv. and Mann.—Lemonade, prepared from vegetable substances.
- 102 GRAHAM, LEMON & Co. Ireland.—Specimens of the process of the manufacture of lozenges and comfits, with samples.
- 104 BOLAND, P. 133 Capel St. Dublin, Mann.—Various sorts of biscuits and cakes.
- 105 THWAITES, A. & R. & Co. 57 Upper Sackville St. Dublin, and St. Alban's Pl. Haymarket, London, Inv. and Mann.—Soda water, of two degrees of strength, invented by the late R. Perceval, M.D. of Dublin.
- 106 WOTHERSPOON, J. & Co. Glasgow, Mann.—Lozenges, made by patent steam machinery.
- 107 HUNTLEY & PALMER, King's Rd. Reading, Mann.—Sweet fancy biscuits, made by steam machinery.
- 109 BROS, W. G. 20 Market St. Edinburgh, Inv. and Mann.—Samples of lozenges and other confections, &c.
- 112 GUTTA, R. Motcomb and Lowndes St. Belgrave Sq. Inv.—Two bride-cakes, one for home use and one for packing, to be sent any distance, or to foreign parts.
- 113 HUBBARD, H. B. Baker St. Enfield, Mann.—Gingerbread nuts and gingerbread, which will keep for 20 years.
- 114 SCHOOLING, H. 7 North Side, Bethnal Green, Mann.—Pate de jujubes; chocolate, sticks, drops, and in cake; and other ornamental confectionery. Gelatine, for printing, wrapping, &c.
- 115 WARRICK, BROTHERS 3 Garlick Hill, Mann.—Jujubes, lozenges, and other confectionery.
- 116 VINE, R. King St. Borough, Mann.—Ornament for bride-cake, in relief, with sugar icing.
- 117 WEATHERLEY, H. 54 Theobald's Rd. Inv. and Mann.—Specimen of lozenges. Machine for cleaning curtains.
- 118 ALLEN, W. S. St. Marylebone—Samples of blacking.
- 119 KEIGH, H. 22 Gilbert St. Grosvenor Sq. Des. and Mann.—Composition set of dessert ornaments of eight pieces, in white and gold. Composition centre table ornaments, in white and gold.
- 120 FARRELL, R. H. 35 Lamb's Conduit St. Des. and Mann.—Table ornaments for confectioners, in plaster of Paris, gilt. Models in wax and sugar.
- 121 SPURTT, L. 1 Brook St. Hanover Sq.—The game of "cockamaroo," improved. Model hay-cart.
- 122 MOSTANARI, A. 29 Upper Charlotte St. Fitzroy Sq. Mann.—Model wax dolls, the hair being inserted into the head, eyelashes, and eyebrows, and varying in size.
- 124 BOUCHER, A. 74 Baker St. Portman Sq.—Animated and musical tableaux, representing the Great Exhibition and people of all nations. Panoramic polyrama. Armorial trophies and Saracen armour, &c.
- 125 BLACKMORE, MARY, 1 Bosoman's Buildings, Islington Green, Inv. and Mann.—Artificial flower-plant, formed of beads.
- 126 SPURIN, E. C. 37 New Bond St. Des.—Mechanical toy model of an English farm, with figures, threshing-machine, windmill, &c. in action.
- 127 LUCAS, H. 8 Broad Ct. Long Acre.—Progressive garden rocking-horse.
- 128 DEAR, J. C. 191 Bishopsgate Without, Mann.—Rocking-horse; and walking-sticks, carved.
- 130 BAUNET, T. St. Leonards-on-Sea, Mann.—Arrows, inlaid by machinery. Two small pony phaeton under-carriages. A killee, or Australian boomerang. A duplex iron rest for a turning lathe, on a new principle. Registered.
- 131 HOLLAND, H. Darwin St. Birmingham, Inv. and Mann.—Umbrellas and parasols, with metallic frames, illustrations of processes of manufacture.
- 132 SPEART, S. Briggate, Leeds, Mann.—Parasol.
- 133 WILSON & MATHEWS, Candleriggs St. Glasgow, Mann.—New portable umbrellas.
- 135 SLARE, W. 67 Burlington Arcade.—Improved umbrellas. Parasols, driving and riding whip. Penang sword-cane. Steel foil, covered with leather. Improved railway calls and dog whips.
- 136 SANDSTRA, W. & J. 140 Regent St. Mann. and Pat.—New patent parasol. Application of feathers as an ornament to parasols. Alpaca parasols and umbrellas. Holland's patent light silk umbrella.
- 137 RUTTEN, J. & W. 123 Cheapside, Mann.—Brown walking parasol. Brown glace silk parasol, with jointed handle. Satin registered parasol, &c.
- 140 MEYER, B. 18 Crutched Friars, Inv. and Mann.—Specimens of English sticks, rough and manufactured. Rattans, from India, &c. rough, and manufactured. Canes;

CLASS 29. *Miscellaneous Manufactures and Small Wares.*

- 191 DURE & SON, Penhurst, near Tonbridge, Kent, Mann.—Articles used for the game of cricket.
- 192 PRAOOCK, A. 2 Cumberland Row, Islington, Inv.—Board and pieces, for playing the game of Agon, or the Queen's guards; with book of instructions.
- 194 PAGE, ELKANOH & W. Kennington Common, Mann.—Cricket bats. Gauntlets, India-rubber gloves, leg guards, balls, stumps, &c.
- 195 MIDWAY, J. 5 Spencer St. Northampton Sq. Des. and Mann.—Cricket stumps constructed on a novel and simple principle.
- 196 LALLYWHITE & SONS, 10 Prince's Ter. Islington, Inv. and Mann.—Cricket bats and balls. Wickham's trap balls. Allen's stumps. Leg-guards, new design. India-rubber gloves, flannel dress, &c.
- 197 DARE, MATILDA, & SONS, Lord's Cricket Ground, St. Marylebone, Mann.—Cricket bats and wickets.
- 198 DARE, R. Lord's Cricket Ground, Inv. and Mann.—Articles used in the game of cricket; tubular India-rubber gloves; gauntlet gloves; leg guards; spiked soles for shoes; and cricket balls.
- 199 CALDECOURT, W. H. 14 Townsend Rd. St. John's Wood, Marylebone, Mann.—Cricket catapults, a machine for propelling the ball. Bats and stumps.
- 200 TREBICK, T. F. 3 Sun St. Bishopsgate.—A variety of rocking-horses, dolls, and miscellaneous toys.
- 202 GORDON, C. Museum, Dover, Mann.—A group of stuffed British birds, an owl surrounded by small birds.
- 203 HARRIS, T. Reading.—Stuffed animals and birds.
- 205 CERRAS, A. Dunkeld, Scotland, Taxidermist.—Stuffed partridges and thrushes.
- 207 WALFORD, C. sen. Witham, Essex, Preserver.—A series of preserved British birds.
- 208 YERBURY, J. 114 Bishopsgate St. Within, Prop.—Stait's patent diaphragm tobacco-pipe bowl, manufactured in stone china by Messrs. Wedgwood and Sons.
- 209 THOMPSON, H. Weybridge Common, Chertsey, Surrey, Inv. and Mann.—Imitative cameos, and gold and silver wafers.
- 210 TAYLOR, ANN, Polytechnic Institution, Des. and Prod.—Specimens of ornamental cutting in paper with scissors, adapted for lamp-shades, stove-papers, &c.
- 213 BASHAM, SON & Co. London and Stratford.—Specimen of pulped cloth, a combination of paper with a woven fabric. Emery cloth, glass cloth, and glass paper. Emery, and black-lead, in a manufactured state. Patent framed door-mat.
- 214 SACKER, F. C. 7 Epping Pl. Mile End, Des.—Compendium, or razor-strop, the strop itself being formed of a composition of wool.
- 215 ROGERS, R. & H. Prospect Row, Walworth, Mann.—Specimens of glass, emery, and sand papers and cloths.
- 220 HALL, T. 6 Mora Pl. City Rd. Mann.—Stuffed spaniel in glass shade.
- 221 LEADBEATER, J. Brewer St. Golden Sq.—Stuffed Indian game birds, &c.; large specimen of the toad and small species of dog.
- 222 BREWSTER, T. 7 Gt. Portland St. Inv. and Prod.—Preserved birds, on artificial frost and snow, with water and a rock.
- 223 GARDNER, J. 426 Oxford St.—Various specimens of stuffed birds, birds of prey, indigenous to Britain, and showy plumaged birds.
- 224 ANDERSON, R. Dunkeld, Scotland, Mann.—Artificial salmon and trout-flies, for the lakes and rivers of Scotland.
- 225 FISHER, E. St. Mar's, Wisbech, Inv. and Prod.—Models of stacks, to show a new mode of covering them with wood, iron, zinc, &c.
- 226 SLATER, J. Cheadle, Staffordshire, Inv. and Mann.—Twine reel for drapers, druggists, grocers, &c.
- 227 MAYOU & TOLSON, Fazeley, Staffordshire, Mann.—Coloured webs for boots: silk and cotton and all cotton. Binding for stays. Bed and diaper lace. Woven lines, for blinds and pictures. Worsted bindings, wire ribbon, &c.
- 228 DOW, A. 6 Childwall St. Low Hill, Liverpool.—Brushes for plate, watches, and jewellery, of human hair, &c.
- 221 CHAMBERLAIN, T. Ashby-de-la-Zouch, Leicestershire, Mann.—Stones for burnishing plate and gilded work, rough and finished.
- 221 LAMBERT, ELKANOH, 89 Leman St. Goodman's Fields, Whitechapel, Mann.—Artificial flies, for angling.
- 222 MOORE & MURPHY, Holborn Hill, Inv. and Mann.—Rich wedding cake, with removeable ornament.
- 223 ADAMS, S. Nottingham, Inv.—Instrument to enable a blind person to thread a needle.
- 224 DUNBAR, W. Loch Inver, Golspie, Scotland, Preserver.—Two cases of Sutherlandshire wild birds and animals.
- 225 WOOD, J. Hepwood Lane, Halifax.—Wrought polished steel tobacco-pipes.
- 227 BROWN & SON, Leeds, Mann.—Bobbins and skewers used in its preparing, spinning, and twisting of cotton; flax bobbins, creel pins, and bosses; worsted bobbins, spools, and carrying rollers; silk bobbins, &c.
- 228 ROBERTSON, J. 103 Renfrew St. Glasgow, Inv. Pat. and Mann.—Coopers' work made by machinery, inclining oak-heads and staves. Model of a machine for elevating firemen at fires, and fire-escape.
- 229 STANFIELD, J. & BROTHERS, Manchester, Mann.—Braids, in gold, silk, mohair, worsted, and cotton. Laces, and platted lines. Cord for dresses. Bindings, figured, and plain; and fringes for trimmings.
- 241 HALL, J. Green Gate St. Oldham, Des. and Mann.—A bird-cage, containing 2,522 pieces, and composed of 21 different kinds of wood.
- 243 BELL & BLACK, 15 Bow Lane, Mann.—Vestas and congress matches, with machine for cutting them, &c.
- 250 WALKER, J. 56 Shaftesbury St. New North Rd. Des. and Mann.—Dried London flowers, retaining their natural colours, and formed for ornamental decoration, &c.
- 257 BRISON, R. Bristol, Inv. and Mann.—Models of feet, of a material that will bear nailing or hammering, on which boots or shoes can be made.
- 259 RITCHIE, J. 2 South back of Canongate, Edinburgh, Mann.—Sash-line, with metallic centre. Metallic cord, for lustres, pictures, and bell-pulls.
- 261 EARNSHAW, R. J. Doncaster, Mann.—Wool sheets or top sheets, for packing fine combed wool, called "tops."
- 262 HAYVEY, F. 1 Oriol St. Oxford, Inv.—Easel, for artists sketching out of doors, containing apparatus, &c.
- 265 BRINDLEY, J. Milk St. Bristol, Inv.—Small cask, of peculiar construction, having in itself eight casks, with means of filling and drawing from each. Reticule or carriage basket, for ladies' fancy work, &c.
- 266 WAKLESS, T. Rock, near Alnwick, Newcastle, Mann.—Lady's pincushion and piercers, made by a working blacksmith. Swing plough, constructed so as to prevent dirt or soil attaching to the mould board.
- 267 DOWE, S. Ivythoru, near Glastonbury, Des.—Model of a decoy pool, for taking wild fowl.
- 270 KIRTON, R. jun. Rudham, Rougham, Norfolk, Inv.—Model of a funnel for transmitting liquids, which allows the air to escape.
- 271 BIGGS, S. Frome, Somerset, Des. and Mann.—Tin moulds for jelly, &c. Paste and vegetable cutters, &c., made by hand.
- 272 ALCOCK, S. B. & Co. Dublin Blacking Works, Mann.—Sample of liquid blacking.
- 274 MITCHELL, W. Wellington St. Portobello, near

- Edinburgh, Inv.—Horn of a bull, with iron-frame and stuffed buffer attached. Somniferous electric brush.
- 277 LUCAS, G. 42 Kennedy St. Manchester, Inv. and Mann.—Brass and zinc door, window, and sign-plates, engraved by machinery. Designs for letters, plates, doors, windows, &c.
- 278 ESDAILE, J. Elm Pl. Hulme, Inv. and Mann.—Hat-felt, used by printers of calicoes, silks, woollens, &c. Wool-ten-felt, for polishing plate-glass, marble, &c. Felted gloves, used by glass-blowers, iron-founders, and others, &c.
- 286 WOOD, J. York, Inv.—Registered razor, single bevel, showing the different stages of manufacture. York kegs, or barrels, used by sportsmen for carrying wine, &c.
- 287 DUTTON & Co. Runcorn, Cheshire, Mann.—School slates manufactured by machinery, framed in mahogany and bird-eye maple.
- 288 MALLALIEU, W. 97 Hatton Garden, Imp.—Models of dwellings and implements made by the Christian Esquimaux, at the Moravian settlements on the coast of Labrador, North America.
- 290 LOCAL COMMITTEE, Hull.—Specimens of the staple imported articles of the port of Hull, accompanied with descriptions and statistical information.
- 291 ULLATHORNE & LONGSTAFF, 12 Gate St. Lincoln's Inn Fields, Mann.—Shoemakers', Sadlers', and harness-makers' thread. Heel-balls for shoemakers' use.
- 292 WITHERS, W. Devizes, Wilts, Prop.—Case of stuffed partridges.
- 293A TURRILL, J. 52 New Bond St. Mann.—Portable writing-desk and receptacle for private papers and money.
- 293 BENEFT, MARIA, 5 Union St. New Bond St. Mann.—Fancy pincushions, match boxes, &c. manufactured from common egg shells.
- 294 HOSKINGS, ANN, 7 Langthorn Pl. Stratford, Mann.—Basket of wax fruit. Dishes of wax pastry and vegetables.
- 296 KIRLEY & BEARD, W. H. Mann.—Shawl pins and beads.
- 305 BARLING & SONS, 142 High St. Camden Town, Des. and Mann.—Silver-mounted meerschaum smoking pipes.
- 306 MATHESON, Sir J. Bart.—Two pair of hand-screens, made from the feathers of wild birds, in the Outer Hebrides, by Miss CAMERON, Stornaway.
- 307 BOUJEAUD, P. 13 Davis St. Berkeley Sq. Inv.—Vulcanized India-rubber webbing for bandages, &c.
- 310 FARINA, JEAN MARIE, Cologne, and 1 Salters' Hall Ct. Mann.—A new extract of Eau de Cologne.
- 311 HARRISON, MARGARET, 19 Bromley St. Commercial Road East.—Victoria Regina, and orchideus, in wax.
- 312 HERBERT, Mrs. F.—Chepstow Castle, Monmouthshire, by moonlight. Specimen of Papyrography: a novel method of representing landscapes in tissue-paper, simply by the use of knife and scissors, without the aid of colouring.
- 313 PRICE, J. Gateshead, Newcastle-upon-Tyne, Mann.—Large flint glass carboy and specie jar. Jasper glass vase and table. Sheet glass for glazing frames for engravings, &c.
- 314 PRIDEAUX, Miss, Wellington, Somerset.—A small basket of rice-paper flowers, cut out with scissors.
- 315 RANKIN, EMILY, & LEAR, ELLEN, South St. Wandsworth, Des. and Mann.—Picture frames of ornamental leather work.
- 36 OLIVER, B. S. Nottingham, Mann.—Pasteboard-boxes for lace, hosiery, gloves, and fancy articles.
- WILSON, CHARLOTTE E. 19 Howland St. Fitzroy Sq. Des. and Mann.—Blotting book, ornamented with inlaid pearl, and lined with satin.

SECTION IV.—FINE ARTS.

TRANSSEPT.

- BAILY, E. H. 17 Newman St. Sculp.—A Youth resting after the Chase. A Nymph preparing for the Bath.
- BROCCIANI, D. 5 Little Russell St. Mass.—Plaster cast of Apollo Belvedere, from the original, to imitate marble.
- BOWARD, N. 36 High St. Eccleston Sq. Des. and Sculp.—The Prince of Peace, Isaiah, ix. 6.
- DAVIES, E. 67 Russell Pl. Fitzroy Sq. Sculp.—Venus and Cupid.
- EARLE, T. 1 Vincent St. Orington Sq. Des.—Model, Jacob and Rachel.
- FOLLEY, J. H. A.R.A. 19 Osanburgh St. Regent's Park, Des. and Sculp.—Model for statue of Hampden, for the New Palace of Westminster. Youth at a Stream. The Mother.
- HOLLERS, P. Birmingham, Des. and Mass.—A colossal group: The Murder of the Innocents.
- LEWIS, J. 1 St. Alban's Rd. Kensington, Des. and Prop.—Group, Cupid stung by a Bee, complains to Venus. Statue: Sampson bursting his Bonds. Muzidora.
- LEITCHILD, H. S. 23 Newman St. Des. and Sculp.—Group in plaster: Rispa watching over the dead bodies of her Sons.—2 Samuel, xxi. 10.
- LOUGH, J. G. 43 Harwood Sq. Des. and Sculp.—The Subjugation of Satan by St. Michael, from Milton. Titania, from Shakespeare's *A Midsummer's Night Dream*.
- MAC DOWALL, P. R.A. 75A Margaret St. Cavendish Sq. Sculp.—Colossal group of Virginius and Daughter, marble. Cupid, statue in marble. Eve, a model.
- MILNER, T. Judd Pl. East. Euston Sq. Des. and Sculp.—Model of a colossal statue of the Duke of Wellington.
- PHYRICK, E. G. 9 Gloucester Pl. New Rd. Des. and sculp.—Adam.
- RINSON, H. 25 Douro Cottages, St. John's Wood, Des.—The dying Shipwrecked Sea-boy.
- STEPHENS, E. B. 27 Upper Belgrave Pl. Pimlico, Des. and Inv.—Satan tempting Eve. Eve offering to Adam the Forbidden Fruit. The Expulsion from Paradise. The Curse. The Death of Abel. Satan vanquished by the Archangel:—"And he laid hold on the dragon, that old serpent, which is the devil and Satan, and bound him a thousand years," Rev. xx.
- TREED, W. 12A Henrietta St. Cavendish Sq. Des. and Sculp.—Statue of Prometheus, in marble.
- THORNTON, T. and MART, 39 Stanhope St. Hampstead Rd. Sculp.—The Jealousy of Medea. Alfred the Great receiving from his Mother the book of Saxon poetry. Her Majesty on her favourite charger Hammon.
- WEEKES, H. 29 Lower Belgrave Pl.—Plaster group, the Suppliant. Statue of the Marquis of Wellesly. Resting after a run. A Sleeping Child.
- WOOD, S. 30 Beaufoy Terr. Maida Hill, Mod.—Statue in plaster: Prometheus chained to the Rock.
- WEIGHT, FOOTALL, & BROWNE, Commercial Rd. Pimlico, and 47 Piccadilly, Agents.—Statue of Victory modelled by Professor Rauch, of Berlin. In Carrara marble. Executed at Carrara.
- WYATT, J. 33 Dudley Grove, Paddington, and 33 Spital Sq. Sculp.—Equestrian statues of Her Majesty and of H.R.H. Prince Albert, full size, designed for bronze.

MAIN AVENUE.

- ARCHER, J. W. 46 Clarendon St. Somers's Town, Des.—Monumental tablet in brass, to the memory of the officers of Lord Hardinge's staff, who fell in the battles of the Sutlej; produced by direction of Lord Hardinge, and intended to be sent to India. The ornamentation composed entirely of Oriental poems.
- BENNETT, W. 13 Osanburgh St. Sculp.—Colossal statue of Sir William Follett.
- DAVIES, E. 67 Russell Pl. Fitzroy Sq. Sculp.—Bronze statue of the Duke of Rutland, for the market-place at Leicester. Madonna and Child.
- ELDON, JOHN EARL OF, Prop.—Stowell group, representing John, first Earl of Eldon, for nearly 25 years Lord High Chancellor of Great Britain, and William Baron Stowell, 29 years Judge of the High Court of Admiralty. Des. and mod. by the late Musgrave Watson, and executed by G. Nelson. Each statue is wrought out of a single block of marble, and the whole weighs 20 tons.
- LIVERPOOL LOCAL COMMITTEE, Town Hall, Liverpool, Prop.—Model of the docks and commercial portion of the town of Liverpool, exhibiting a river front of five miles.
- MARSHALL, W. A.R.A., 47 Ebury St. Eaton Sq. Sculp.—Mod. of a statue of Dr. Jenner, proposed to be erected by all nations. Zephyr and Aurora. Sabrina, statue in marble.—*Vide Milton's Comus.*
- MATHER, A. A. 30 Gt. Marlborough St. Des. and Sculp.—Gothic monument and Furbeck marble tablet, with embazoned inscription in early English character.
- PAPWORTH, C. A.R.H.A. Queen Sq. West, Dublin, Sculp.—Clay model, an original design, liberation of Caracacus.
- SERLEY, J. Keppel Row, New Rd. Mann.—Fountain in artificial limestone, Des. by J. W. Papworth. Mercury, after Giovanni da Bologna.
- SHARP, T. 27 Barton Crescent, Des. and Sculp.—Chimney-piece, with electro-gilt mountings, by Brine and Sharp.
- THOMAS, I. E. 7 Lower Belgrave Pl. Sculp.—Model of a colossal statue of the late Marquis of Bute, in bronze.
- WYATT, M. C. The Grove, Paddington, Des. sculp. &c.—Equestrian group in bronze, the size of life. Group and pedestal, mosaic sculpture, "The faithful friend of man trampling under foot his most insidious enemy." Statue of a horse. Bronzed head and neck of a colossal horse, being part of the group of the Wellington statue.

SCULPTURE GALLERY.

- BENNETT, W. 13 Osanburgh St. Sculp.—Statue, in marble, of a Startled Nymph.
- BELL, J. 15 Douro Pl. Victoria Rd. Kensington, Sculp.—Sculpture, life size, Purity, or Una and the Lion. The Babes in the Wood. Dorothea, from Don Quixote.
- BRADLEY, J. Fore St. Exeter, Des.—Table painted on slate, in imitation of Devonshire marbles.
- BROWN, A. 4 Red Cross Sq. Des.—David before Saul, a statue in plaster.
- CAREW, J. E. 40 Cambridge St. Hyde Park, Des. and Sculp.—Original model: Descent from the Cross. Baptism of Christ. The model of the altar piece in the

CLASS 30. *Sculpture, Models, and Plastic Art, Mosaic, Enamels, &c.*

Catholic chapel, Brighton. Design in relief for a temple in Suffolk. Whittington, original model.

DOWNELL, F. 5 Howland St. Des. and Prod.—Model in plaster: The First-born.

DURANT, SURAB. 14 Conduit St. West, Hyde Park.—Statue of a girl: a study from nature.

FOLLEY, J. H. A.R.A. 19 Osnaburgh St. Regent's Park, Des. and Sculpt.—Ino and the Infant Bacchus.

FRANCS, J. 56 Albany St. Regent's Park, Sculpt.—A statue in marble: *Il Pensero*. Statue of Her Majesty, in Carrara marble.

FRANKS, J. 50 Basing Pl. Waterloo Rd.—Portrait statue of John Flaxman, executed by the late M. L. Watson.

FARRELL, J. 123 Lower Gloucester St. Dublin, Des.—The pet dove's return, a group in marble.

FARRELL, T. 128 Lower Gloucester St. Dublin, Des.—Early Sorrow, sculptured in marble.

GALLAGHER, J. 10 King St. Regent St. Dublin, Des. and Prod.—Design for a fountain in plaster; Ariadne disconsolate at the loss of Theseus.

GIBSON, J. R.A. of Rome.—Bas-relief in plaster, representing the Hours and the Horses of the Sun.

HUGHES, T. 28 Long Acre, Des.—Plaster figure of Eve: "The serpent me beguiled, and I did eat."—Paradise Lost, bk. 10.

KWERT, R. Portsmouth, Des.—David with the head of Goliath.

KIRK, J. School of Design, Birmingham, Des. and Manu.—Bas-relief, in plaster: "Spiritless, afflicted, fallen," Milton's Paradise Lost.

LAWLOR, J. 30 Wyndham St. Bryanstone Sq. Des.—A Bather, statue in plaster.

MANNING, S. 3 Union Pl. Regent's Park, and 61A York Ter. Regent's Park, Sculpt.—Bust of Her Majesty in marble. Model of a statue of John Wesley, executed in marble, and presented to the Wesleyan Theological Institution, by T. Farmer, Esq. A model of statue of Prometheus, new being executed in marble.

MILLER, F. M. 24 Bloomfield Ter. Pimlico, Sculpt.—Group: Childhood. Bas-reliefs: The Attendant Spirit in *Comus* descending on a glancing Star. *Lycidas*. *Ariel*.

NELSON, G. 30 Bldborough St. Burton Crescent, Sculpt.—Victory, to the memory of the officers and men of the 59th reg. who fell on the banks of the Sutlej.

PARFORTH, E. G. 17 Newman St. Oxford St. Sculpt.—Cupid in Disguise.

PHYSON, E. G. 6 Gloucester Pl. New Rd. Des. and Sculpt.—Head, in marble: The Dying Saviour. Pluto carrying off Proserpine.

PLOWS, W. Ross Bridge, York, Des. and Sculpt.—Model for a sarcophagus in stone found at Hildesley, near Malton. Table, inlaid with petrified woods (found in Yorkshire) on a pedestal of Yorkshire marble. Black marble table, with masonic symbols, found in the crypt of York Minster.

POWELL, J. Trentham, Newcastle-under-Lyme.—Model of the Great Exhibition building.

QUILLIAM & CARRER, Castletown, Isle of Man, Prod.—Slabs of Pookvaah black marble, inlaid with red and yellow composition, to imitate encaustic tiles: invented and designed by J. G. Cumming, &c.

SHARP, T. 27 Burton Crescent, Des. and Sculpt.—Statue, in marble: Boy and Lizard. Model, in plaster: Christ's charge to Peter.

SMITH, C. R. 37 Gloucester Pl. New Rd. Sculpt.—Two statues in mediæval costume: Michael Angelo, and Lady Danberry.

SOMMERS, C. 86 Warwick St. Pimlico, Des. and Mod.—Statue, in plaster, of boy playing with shell.

THOMAS, I. E. 7 Lower Belgrave Pl. Sculpt.—The spirit of science unweaving ignorance and prejudice.

THOMASOFF, T. & MARY, 30 Stanhope St. Hampstead Rd. Sculpt.—A young Shepherd, a young Gleaner, &c.

THURFF, F. 50 Gloucester Pl. New Rd. Des. and Sculpt.—Boys catching a Butterfly. *Arethusa*. The Maid and the mischievous Boy.

TAYLOR, F. Ramsey, Hampshire, Des. and Sculptor.—Life-sized figure of our Saviour bearing his cross, executed by an amateur in three months, by gaslight.

WHITACOTT, J. 1 St. John's Pl. Lisson Grove, Des.—Model of Sabre de Quincy, Earl of Winchester, A.D. 1215, to be executed in bronze, for the House of Lords.

WOODLEY, J. Torquay, Des. and Manu.—Circular marble table, &c. inlaid with specimens of marbles and madrepores, found in Devon.

YARBOROUGH, EARL OF.—Statue in marble, a Greek hunter and dog, by J. Gibson, R.A. of Rome.

FINE ART COURT.

ALDRER, S. working printer, 38 Fetter Lane, Sculpt.—The Shakespeare Jubilee.

ALLIS, J. 26 Cannon St. Rd. East.—Group in wax: Sir Robert Peel and the Duke of Wellington, des. and mod. by J. G. Bullock.

ANDERSON, D. Glasgow, Prop.—Copies of engraving executed with a common pen, in China ink, by Joseph Lindsay, a deaf mute, and pupil of the Glasgow Deaf and Dumb Institution.

ANDERSON, W. County Pl. Perth, Des. and Mod.—A Highlander throwing the "putting-stone," with figures in relief, illustrative of highland games.

APPEL, R. 43 Gerrard St. Soho, Inv.—Prints by Albert Durer; plates taken by the Anastatic process with impressions; specimens of Appoletype printing.

ASPIN, W. 154 Sloane St. Chelsea, Prod.—Model of St. James's church, Louth, Lincolnshire. Executed in Bristol card-board, with a penknife.

AUSTIN, W. J. Limehouse, Sculpt.—The Crucifixion.

BALT, R. LL.D. University Museum, Dublin, Des.—Model of the ancient harp, commonly called the harp of Brien Borohme (Brien Boru) king of Ireland.

BALLY, W. 84 King St. Manchester, Inv. and Manu.—Busts in miniature, in illustration of phrenology.

BARSWELL, W. 4 Gt. Queen St. Westminster.—Models for architectural designs. Model, Labourers' Friend Society's cottages. Design for improvement of Westminster in 1832.

BAKER, T. J. 101 Stanhope St. Hampstead Rd. Des.—The Dying Troubadour. Vide *Sir Walter Scott*.

BARRITT, J. L. 173 Fleet St. Des. and Manu.—Model of a picture: The water mill, summer evening.

BATSFORD, J. 22 Stafford Place South, Pimlico, Sculpt.—The hestral hawk and butcher bird.

BAXTER, G. 11 & 12 Northampton Sq. Inv. Manu. and Pat.—Specimens of oil-colour picture-printing: historical, portraits, architectural, and landscapes.

BAXTER, J. Lewes and Ringmer, Sussex, Des.—Two models of improved farm-yard and buildings.

BEATTY, W. H. 10 Peter St. Dublin, Des.—Statuette group of wax, of the Earl of Clarendon's two children.

BENNETT, W. 13 Osnaburgh St. Sculpt.—Statuettes: Lady Godiva, Europa, Sir Robert Peel.

BELFAST GOV. SCHOOL OF DES. Ireland, Prod.—Designs for embroidery, &c. by pupils of the school.

BINGLEY, H. 17½ Kensington Pl. Holywell St. Westminster, Des. and Manu.—Enamelled slate tables. Imitations of marbles, and specimens of enamelled slate, for casing walls.

CLASS 80. *Sculpture, Models, and Plastic Art, Mosaics, Enamels, &c.*

- BOWN, C.** Edinburgh, and 53 Parliament St. London.—Model of Highland cottage, combining simplicity of construction, comfort, warmth, ventilation, and economy.
- BOWE, H. P.** 22 Percy St. Prod.—Enamel paintings.
- BREKNER, J.** James Ct. Edinburgh, Des. and Chaser.—Specimens of silver embossed chasing in heraldic and other styles of ornament, intended chiefly to be used for brooches.
- BRODIE, W.** North St. Andrew St. Edinburgh, Des. and Prod.—Group in plaster: Little Nell and her Grandfather.
- BROWN, J.** 71 Herbert St. New North Rd. Des.—Drawing-book, for elementary schools.
- BURY, R.** 9 Durham St. Southsea, Portsmouth, Pro.—Group of horses, carved in cork. Subject: The story of Masopha.
- BUTTERS, L.** 41 George St. Edinburgh, Engraver.—Intaglios, heads of Scott and other eminent men; onyx stones out as cameos, &c.
- BYRN, O.** 9 Monmouth Rd. Westbourne Grove, Des. &c.—Ornamental framework in cork.
- CALDWELL, G.** Lichfield, Des. and Prod.—Bas-relief, from Burn's poem of Tam o' Shanter, in plaster.
- CALVEK, Rev. W.** 3 Great College St. Westmr. Des.—Pyrography, &c.: Paul and Silas in prison at Philipp. Executed upon lime-tree, with a common poker.
- CAPLEN, J. H. I.** Strawberry Hill, Fendleton, Manchester, Des. and Executor.—Topographical oil painting: Bird's-eye view of the gulf of Naples. An illustrative expression of the laws by which the surface of the earth assumes particular forms.
- CARRICK, T.** 10 Montague St. Portman Sq. Inv.—Application of white marble to miniature painting. The frame by H. Vine, 2 Alden Place, Little Chelsea.
- CARRICK, C.** Canterbury, Des. and Mann.—Leo table slab, inlaid with variously-coloured woods, whalebone, eans, ebony, &c.
- CATTLE, G.** 6 Waterloo Pl. Des.—Model of the Falls of Niagara; from an actual survey in 1837; comprising nearly a square mile around the falls.
- CHAMOR, C.** 9A Skinner St. Snow Hill, Des. and Eng.—Specimens of transfer zincography, medallion, and sculpture engraving, by machinery.
- CHARCELOR, F.** Chelmsford.—Model of a covered homestead for a farm of from 300 to 500 acres, exhibiting an improved arrangement, &c.
- CHAFFELL & Co.** 50 New Bond St. Prop.—Specimens of lithographic music printing.
- CHEVINGTON, J.** 38 Camden St. Inv.—Imitation stone candlesticks, ring-stands, &c.
- CHEVINGTON, B.** 33 Camden St. Camden Town, Inv.—Carvings by machinery. Those in ivory and marble finished by hand.
- CHICHOX, G.** North Bridge, Edinburgh, Des. and Mann.—Specimens of Scotch pebble mosaic work. Chateaux of silver scrolls, &c., ornamented with enamel of various colours.
- CHRISTIE, A.** Royal Institution, Edinburgh, Des.—Twine-holder.
- CHRISTIE, J.** Carmylie, Arbroath, Des.—Groups in burnt clay, characteristic of the manners and dress of the Scottish peasantry.
- CLARKE, T. C.** 9 Percy Circus, Lloyd Sq. Des.—Design for a national gallery for sculpture.
- CLIFFORD, W.** Exeter, Prop.—Models made of the pith of the common green rush, used in making rooflights.
- COCK, H.** 6 Brewer St. Mann.—Etching ground. Bordering wax for etching. Leo Nino and abbess, in silk.
- CONGAMES, E.** 43 Oxford St. Inv. and Prod.—A marine piece, executed in the new style of serial tinting.
- COOK, J. E.** Railway Office, Greenock, Scotland, Inv.—Prepared panel, for amateur painting, requiring only a day or two to be ready for the artist.
- COOK, G.** Hyde Park Lodge.—Carvings in lime-tree wood.
- COOPER, E. J.** 15 Little Queen St. Holborn, Inv. and Maker.—Model, in elder pith.
- COWELL, S. H.** Ipswich, Suffolk.—Specimens of anastatic printing, as applied to original drawings in chalk or ink, ancient deeds, wood engravings, archaeological illustrations, &c.
- Cox, G. J.** Polytechnic Inst. Inv.—Specimens of transfer of delicate copper and steel-plate engravings to lithographic stone.
- Cox, H.** 6 Upper Southampton St. Pentonville.—Model, Death on the Pale Horse: Rev. chap. vi. v. 8 to end.
- CUNDALE & ADDER, 21 Old Bond St. Pub.**—Colour printing, by Leighton, Lamb Conduit St. Wood-cut printing, by Robson, Levy, and Franklin. Book-binding, with decorated china tablet, by W. T. Copeland.
- DAY & SON, 17 Gate St. Lincoln's Inn Fields, Prod.**—Specimen of tinted and coloured lithography, from drawings by Le Hague, G. Hawkins, E. Walker, M. Digby Wyatt, and F. Bedford.
- DAY, R.** 1 Rockingham Pl. New Kent Rd. Mod.—Portico of the Parthenon at Athens; Temple Church, Fleet St.; portico of the Pantheon at Rome; the Martyrs' Memorial at Oxford; a chancel in decorated Gothic, the window from Herne Church, Kent.
- DAY & SON, 17 Gate St. Lincoln's Inn Flds.**—Specimens of tinted and chromo-lithography, by and after L. Haghe, G. Hawkins, E. Walker, M. Digby Wyatt, and F. Bedford.
- DAYMOND, J.** 5 Regent Pl. Westmr. Des. and Sculpt.—Vase and flowers, in marble.
- DECKERSON, J.** 1 Waterloo Pl. Commercial Rd.—Model of York Minster, executed with a penknife.
- DICKES, W.** 4 Crescent Pl. Bridge St. Blackfriars, Inv. &c.—Oil colour printing.
- DICKSEE, J. R.** 27 Holland St. Fitzroy Sq. Prod.—A chromo-lithograph, in six colours.
- DONALD, W. J. & C.** 29 Artillery Pl. West, Brompton Row, Des. and Eng.—Silver waiters; glass dessert plates, &c., elaborately ornamented.
- DRIVER, C. H.** 46 West Sq. Southwark, Des.—Architectural design for a baptistry and font.
- DUELLIN, M.** 41 Tottenham Court Rd. Mann.—Coloured lithographic labels by a new process.
- EDWARDS, J.** 40 Robert St. Hampstead Rd. Des. and Sculpt.—Bas-reliefs: The last Dream; Daughter of the Dawn, &c.
- ESQUILANT, E.** 346 Oxford St. Mann.—Leather flowers and fruit, adapted for upholstery and decorations.
- ESSEX, W.** 3 Osnaburgh St. Regent's Park.—An extensive collection of enamel paintings, from the collections of Her Majesty, H.R.H. Prince Albert, the Duke of Richmond, H. S. Hope, Esq. the Marchioness of Douro, Lord Overton, the Countess of Elgin, and the Duke of Buccleugh.
- FARMER, P.** 4 Hawley Ter. Camden Town, Des. and Mod.—Frieze, for a dining-room chimney-piece, &c.
- FOSTER, E. R.** 1 Prince's St. Bank, Imp.—An ornamental stone vase, carved out of the rock of Malta, by a native of the island.
- FOX, J. C.** Brighton, Des. and Mod.—Design for a pediment. Statuettes in plaster: Chaucer, Spenser.
- FOWLER, C.** 1 Gordon Sq.—Model of St. John's church, Paddington, executed in card-board by Mr. T. Dighton.

FULFORD, H. Stillorgan, Dublin, Des.—Model of a temple.

GARDIC, L. 59 Westbourne Grove, Hyde Park Gardens, Sculp.—Bronze bust of Sir Robert Peel, modelled, cast, chased, and finished by the exhibitor.

GEAR, J. W. 5 Charlotte St. Fitzroy Sq. Inv.—Specimens of a composition to supersede ivory, for large water-colour paintings.

GIFFORD, J. Royal Polytechnic Inst. Sculp.—Lion, tiger, elephant, and Alpine goat, engraved in cornelian.

GILL, G. New Buildings, Lullow, Prod.—Model of the chapel in Ludlow castle, a copy of the holy sepulchre at Jerusalem.

GORDON, J. 46 Park St. Bristol, Carver.—Carvings in box-wood. Vase, from the antique; and Bellarius. Male anatomical figure in ivory, with supplementary models.

GORMROY, W. Chichester, Manu.—Architectural models in paper.

GOULD, W. 85 Holborn Hill, Des. and Manu.—Monumental brass; new method of inlaying metals by the galvanic battery, and novel application of glass in combination with metals.

GOULD, J. 20 Broad St. Golden Sq. Inv.—A new mode of representing the luminous and metallic colouring of the Trochilidae, or humming birds.

GRAE, C. 1 Great Castle St. Regent St. Manu.—Lithographic engravings, tinted and coloured. Illuminated prayers, ancient missal style, &c.

GRAINGER, R. Newcastle-upon-Tyne, Des.—Models of proposed Town and County Courts, and of the Central Exchange Buildings, Newcastle-upon-Tyne.

GRAVES, D. King's Langley, Des. and Manu.—Designs suitable for founders, goldsmiths, ornamental painters, paper stainers, &c.

GRAVES, D. King's Langley, Herts, Des.—Life of Our Saviour, illustrated with 100 original designs, suitable for the goldsmith, ornamental decorator, paper-stainer, &c. executed with pen and ink.

GREEN, J. 109 Gt. Portland St. Des. and Eng.—A military trophy engraved on zinc.

GUSLOW, G. 34 Newman St. Oxford St. Inv.—Composition table and plaster casts, in imitation of bronze, steel, and gold. Portland vase, the Nero cup, &c. in frosted silver.

HALL, R. Rotherhithe, Des. and Carver.—Figure of Her Majesty, carved in English elm, designed for a ship's figure head.

HARRISON & SON, 45 St. Martin's Lane, Des. and Manu.—Inscriptions from Assyrian monuments in the Cuneiform character, discovered by Mr. Layard, printed with moveable types.

HASLEM, J. 1 Wilton Pl. West, Regent's Park, Prod.—Enamel paintings on gold. The Queen in her bridal dress; the Prince of Wales and Prince Alfred, after Winterhalter, &c. from the collection of H.R.H. Prince Albert. Three enamels on porcelain: The Good Shepherd, after Murillo; the Infant Samuel, after Reynolds; and Sibilla Eritrea, after Domenichino.

HATFIELD, J. A. 21 Cumberland St. Middlesex Hospital, Manu.—Bronze bust of Her Majesty, after Chantrey. Bronze figure, Youth at the Stream. The Gladiator. Napoleon. Venus at the Bath. Mercury. Candelabra, &c.

HAYWARD, R. J. Danes Pl. Kentish Town, Inv.—New process of tinting steel plates for printing.

HENRI, L. J. Coventry St. Des.—Egg-shells carved with views inside, and others engraved on.

HENSON, R. 28 Southampton St. Strand, Manu.—A mosaic table, to show a new application of minerals for tables, panels, &c.

HILL, D. O. Calton Hill Stairs, Edinburgh, Prod. and Des.—Calotypes of the fishermen and women of Newhaven, near Edinburgh: produced by the late E. Adamson.

HINE, E. Orchard St. Kensington, Mod.—Model of a carriage in card-board. Every part made to act.

HOPLEY, E. 16 University St. Inv.—Design for a simple scale to enable the stonemason or painter to realise, with speed and certainty, the facial proportions.

HULLMANDEL & WALTON, 51 Gt. Marlborough St. Inv. and Prod.—Drawing on stone with the stump. Combination of the stump style and lithographic chalk. Lithotint (patent), drawn on the stone with liquid ink and a brush.

HULME, F. W. 4 Hereford Sq. Old Brompton, Des.—Specimens of an improved method of stump lithography: the materials invented by the late C. Hullmandel.

HUMPHREYS, N. H. 20 Dorchester Pl. Blenheim Sq. Des. and Prod.—Specimens of decorative printing, and book-binding.

HUMPHREYS, J. 13 Howard St. Strand, Inv. and Manu.—Portable metallic letters, to be fixed on glass.

HUNT, C. Jun. 37 Sale St. Paddington, Des.—Enamelled slate, suitable for signs, facing, &c.

JULLIER, & Co. 214 Regent St. Prop.—Ornamental printed music, in oil colours and from stone. The music engraved on pewter, transferred and printed from stone.

KAUFFACH, E. 5 Duke St. Grosvenor Sq.—Satan apostrophising the Sun. *Vive Milton's Paradise Lost.*

KEARNEY, W. H. Marlborough Cottage, Brompton, Inv.—Crayon painting, executed with Kearney's Venetian pastels; impervious to damp, and for internal decorations.

KING, T. R., 5 Church Row, Islington, Inv. and Des.—New style of painting, consisting in the application of finely-pulverized colour to a granulated oil-ground.

KITCHENER, T. Des. and Eng.—Seals and dies. Initial letters from the eighth to the sixteenth centuries, &c.

KNOWLES, J. M. 32 Paternoster Row, Eng. and Printer.—Colour printing. The Descent from the Cross, after Rubens, &c.

LAING, J. Calton Hill, Edinburgh, Des. and Manu.—Glass chess or draught board.

LAROCHE, M. 65 Oxford St. Des. and Prod.—The Bath. The Evening Star. Daguerreotype.

LARCELLES, E. Wavertree, Des. and Prod.—Models in wood of Wavertree Church, Wavertree Hall, White-chapel, &c.

LAYARD, CAROLINE, M. Bird's Grove, Coventry, Mod.—Models of the Nineveh marbles now in the British Museum, by a relative of Dr. Layard, self-taught.

LEES, J. Hinckley, Maker.—Model of the stocking-frame introduced into Hinckley, by W. Iliffe, in the 17th century, which, with some improvements of detail, is still in use.

LEIGHTON, J. 40 Brewer St. Golden Sq. and 19 High St. Camden Town, Des.—The Seven Ages of Man; des. for bas-relief, illuminated and mounted as a table top. Monograms, &c. Des. for medals, a chandelier, book covers, &c. Specimens of ink-lithography.

LEWIS, D. Hagland, Maker.—The remains of the Cistercian Abbey of St. Mary, at Tintern, Monmouthshire, founded A.D. 1131.

LOGAN, ELIZABETH J. Ramsey, Isle of Man.—Model of H. R. H. Prince Albert's tower at Ramsey, Isle of Man, composed principally of the minerals, sea-weed, &c. of the island.

LUCAS, R. C. The Firs, Otterbourne, near Winchester, Des. and Manu.—Ivory carvings; and imitation bronzes.

MARST, J. 26 Paradise St. Lambeth, Mod.—Model of a testimonial to the memory of H. Handley, Esq., M.P. Erected at Sleaford, from the des. of W. Boyle, Esq.

CLASS 30. *Sculpture, Models, and Plastic Art, Mosaics, Enamels, &c.*

- MERRITT, H. S.** 82 Fetter Lane, Des. and Manu.—Model for a general hospital.
- MILLEN, T.** 56 Long Acre, Inv. and Manu.—Paintings with silica colours and glass medium, with assortment of materials.
- MILLS, ISABELLA, F.** Little Paxton, St. Neots, Hunts. Inv. and Prod.—Copies of engravings etched with hot iron. The instruments invented by the exhibitor.
- MIRCHELL, J. T.** Percy Pl. Chapham Rd. Prod.—Specimen of charred chestnut-wood engravings: The execution of Saint John. The Chapeau de Brigaad, by T. Uwins, R.A.; and the Naughty Boy, by Edwin Landseer, R.A.
- MONTAGARI, N.** 29 Upper Charlotte St. Fitzroy Sq. Mod.—Figures, illustrative of Mexican town and savage life.
- MORGAN, E. St. Helen's, Swansea, Des.**—Topographical model of Tynemouth Castle. Model of Tintern Abbey.
- MORGAN, H. K. G. M.P.** Johnstown Castle, Wexford, Ireland, Prop.—Model of Johnstown Castle, county Wexford, Ireland, the seat of Mr. Grogan Morgan, M.P.
- NEWTON, Sir W. J.** 6 Argyle St.—Pictures painted on ivory, joined together by the artist by a process of his own invention. The Homage. The marriage of Her Majesty, and the christening of the Prince of Wales, containing portraits of Her Majesty, Prince Albert, &c.
- NICHOLL, S. J.** 11 Argyll Pl. Des.—Design for a screen to enclose a chapel. An attempt to adapt the forms of mediæval architecture to iron.
- NICHOLAS, MARY ANN,** 7 St. Michael's Ter. Pimlico, Inv. and Des.—Imitation cameo.
- NONCH, E.** 18 King William St. Strand, Mann.—1. Bacchante vase. A copy of the Warwick vase, in serpentine marble. 2. Sabina, in serpentine marble, a copy of the celebrated group of Giovanni Bologna da Dovali. 3, 4. Two vases, in agate, after the antique, 7 feet 6 inches high.
- NONCH, E.** 18 King William St. Strand, Mann.—Warwick vase and Rape of the Sabines, after John Bologna, in serpentine marble. Copies in very scarce agate marble, from a very ancient jug in bronze, at the Museum at Volterra.
- OLIVER, G. T.** Victoria Ter. St. John's Wood, Des.—Device showing the arrangement and combination of colours of flowers, &c.
- OSBORN, MATILDA,** 4 Sydney Sq. Commercial Rd. East, Prod.—Mary, Queen of Scots, mourning over the Dying Douglas in Berlin wool.
- PAPWORTH, J. W.** 14 Gt. Marlborough St. Des.—A decorative panel, painted in distemper.
- PARAIRE, E.** 73 Piccadilly, Des.—Drawing of the Jenny Lind locomotive and of the engines of H.M.S. the Des and Solway.
- PASSONS, J.** 10 New Castle St. Shoreditch.—Model of St. John's Church, Bethnal Green.
- PAWTRIDGE, W.** 28 Newman St. Des. and Prod.—Arms, enamelled on slate. Magna Charta, emblazoned on vellum.
- PEAKE, C. C.** 5 Grosvenor Pl. Camberwell New Rd. Des.—Model in wax of the Stephanotis plant, in flower, forming an ornament for a plateau, &c.
- PEARCE, E. E.** Nailsea, near Bristol, Des.—Model, in glass, of a house, showing plain brickwork. Another, showing freestone work.
- PIDOLEY, F. J.** Conniger Cottage, Torre, Teignmouth Rd. near Torquay, Prop.—A plateau in Florentine marble, representing the fall of Troy, and the Greeks celebrating their victory.
- FITZMAN, I. S.** Nelson Pl. Bath.—Chart of the phonographic and phonotypic alphabets. The Bible, &c., printed phonetically, and the Testament in phnetic short-hand.
- POWELL, J.** Treatham, Newcastle-under-Lyme.—Model of Shakspeare's house as it now exists.
- PRING, Dr. J. H.** Weston-super-Mare, Inv. and Des.—Specimens of ornamental engraving on polished steel, effected by means of voltaic electricity.
- RICHARDSON, ELIZA,** 7 Melbury Ter. Prod.—Table cover with heraldic border.
- RYCHIE, J.** 92 Princes St. Edinburgh, Des.—Statue in marble, of a poetess. Statue in marble, of His Grace the Duke of Wellington.
- ROBERTSON & Co.** 51 Long Acre, Manu.—Canvas, prepared for painting Brushes and pencils. Water colours.
- ROBINSON, F. K.** Whitby, Yorkshire, Maker. Model of the ruins of Whitby Abbey before the fall of the great western window in 1780, and of the tower in 1830.
- ROCHEAD, J. T.** Glasgow, Des.—Model of the arch at Dundee, erected to commemorate Her Majesty's landing there in 1844.
- ROGERS, W. G.** 10 Carlisle St. Soho.—A mod. in wood for a crozier head, intended to be worked in gold. Historical cup, in memory of William III. A boldly carved trophy on a gilt ground. Two brackets of wood carved and gilt, with porcelain figures, by Chamberlain from models, by W. G. Rogers. A toilet-glass suggested by the Duchess of Sutherland. A bust of Sir Walter Scott, carved by J. Engel, &c.
- ROGERS, W. H.** 10 Carlisle St. Soho, Des.—Design for a royal cradle. An illuminated inscription.
- ROUF, P.** 13 Denmark Ter. Islington, Mod.—Metallic portraits in wax.
- ROSE, H.** 15A Douro Place, Kensington, Des.—Statuettes of the Duke of Wellington and the late Sir R. Peel, in wax, for Parish and metal.
- ROSE, HON. HARRIET M.** Bladensburgh, Romstrevor, Ireland, Des. and Sculp.—Monumental Irish cross, of Caen stone, illustrating, in bas relief, portions of Holy Writ.
- ROWNEY & Co.** 51 Rathbone Pl. Manu.—Artists' Colours brushes, pencils, crayons. Mathematical instruments. Specimens of typo-chromatic printing, inv. by F. W. Rowney, &c.
- RUSSELL, H. H.** 20 George St. Adelphi, Inv. and Des.—Tidal staircase which preserves the steps perfectly dry. A speedy Louis, to expedite the hoisting of light stones. Mod. of suspension bridge for railway carriage, troops, or other transit; landing-pier of wire rope, and iron tubing. Reg. improvement on Taffe's pat. slating. Model, showing the comparative modes of slating and timbering. Model of the Royal Victoria Tower, proposed to be erected at Kingstown, Dublin, to commemorate Her Majesty's visit to Ireland.
- SANGUOVANNI, B.** 13 Clarence Pl. Brighton.—Terra cotta models of a wild boar, of a group of dogs, and of a stag hunted by dogs.
- SCOLLICK, H. C.** Highgate Lane, Balsall Lane, near Birmingham, Manu.—Model of St. Paul's Cathedral, made from card-board by a penknife.
- SEAL, J.** Worship St. Shoreditch.—Model of Crosby Hall, Bishopsgate; built about 1470, by Sir John Crosby, Sheriff of London, and inhabited by Richard III.
- 157 SMITH, MARY A. P.** Des. and Manu.—Model of an English villa home, furnished throughout.
- SMITH, T. jun.** 49 Eastcheap, Manu.—Models in cork: Royal Exchange and Monument of London.
- SMITH, F. S. & Co.** Stourbridge.—Method of coating the surfaces of cast iron with glass: patented by Wyatt, Stourbridge. With specimens.
- SOLOMONS, A.** 22 Cambridge Sq. Hyde Park, Manu.—An ivory pagoda, after Sir Wm. Chambers, turned octagon, on a base of canal coal. Fine specimens of old engine turning, &c., from the south of France.

STANDINGS, HARRIET, & Co. 36 Old Jewry, Prod.—Illuminated Calendar. Specimens of printing in colours and tints, by lithography.

STEVENS, G. H. Vauxhall Gardens, Des. and Manu.—Candelabra, in Kew's cement, in imitation of marble, lable tops, &c. inlaid with glass mosaic.

STRIKING, ELIZABETH, Mrs. Pinn's, St. Thomas, Exeter, Des.—Statuette of Waverley, in ivory. Carved by a self-taught artist, 20 years of age, from her own conception of the character of Waverley, without the aid of any drawing or modelling.

STOCKER, N. E. 7 Charles Pl. Kentish Town, Des.—Designs for church windows.

SUTTON, H. 93 Vauxhall St. Vauxhall, Manu.—Picture frame, inlaid with tortoiseshell and mother-of-pearl.

THOMSON, J. 57 Devonshire St. Portland Pl.—Design for a colonial time-piece adapted for silver or bronze manufacture.

TORRIS, Ballincollig, near Cork, Ireland, Inv.—Models, in ivory, of Roman and other temples. Bust of Her Majesty, &c., cut out of the solid ivory with a lathe.

TRUBERT, G. 6 Bloomsbury Sq. Des.—Design for a wrought-iron canopied tomb; the roof and coloured parts to be of porcelain, and the figure of alabaster.

VONTLANDER, EVANS, & Co. 3 Lowndes Ter. Knightsbridge, Pro.—Daguerrotype portraits, by an improved instantaneous process. Artist, E. T. Pickering.

WALKER, J. Gt. Market, Newcastle-upon-Tyne, Prod.—Carved oak panel, stained as old oak: Christ blessing little Children.

WALKER, T. W. Ugate, Louth.—Studies from nature, carved out of a solid piece of lime-tree.

WALKER, T. W. Louth, Lincolnshire, Des.—The golden plover—study from nature, and group of fruit, flowers, and corn: study from nature, carved out of one solid piece of lime-tree.

WARRER & BARLETT, Bridge St. and St. James's St. Taunton, Prop.—Model of a cathedral, carved in oak.

WARR, J. 56 High St. Edinburgh, Maker.—Correct model of John Knox's house and part of High Street, Edinburgh.

WESTWOOD, J. O. Hammersmith, Prop.—Electrotype casts. Specimen of die sinking. Small frame of buhl work, in imitation of the chased work of the Louis XIV. period, &c., all by the late John Westwood.

WHITING, C. Beaufort House, Strand, Prop.—Specimens of compound plate printing, cameo embossing, and relief engravings.

WILBY, T. St. Bartholomew's Hospital, Maker.—Model of St. Paul's cathedral, in cardboard.

WILKINSON, Sir G. Portman Sq.—Small table, of original design, partly constructed from a piece of one of the great cedars of Lebanon.

WILLSON, T. Crescent Buildings, Leicester, Des.—Model of the Victoria pyramid for the British Metropolitan Necropolis, to be erected on Woking Common.

WILSON, A. 17 Queenshithe.—Design for a book cover, carved with a penknife; executed in cardboard by Walter Blackett, architect.

WILSON, G. of Hime and Addison's, St. Ann's Sq. Manchester.—Cribbage-board inlaid with the naere of a species of Pinna from the Pacific.

WOLFF & SON, 23 Church St. Spitalfields, Manu.—Chalks, chalk-pencils, and Athenian crayons. Sketch book. Ceylon, Indian, and Malaga black lead. Drawing pencils, &c.

WYATT, J. 33 Dudley Grove, Paddington, and 33 Spital Sq. Sculpt.—Model of a Quadriga, with allegorical figures of Britannia, attended by Peace and Industry. Designed for a triumphal arch.

WYON, B. 287 Regent St. Des. and Sculpt.—Impression of the great seals of England, Scotland, and Ireland; the courts of law; the British colonial governments, &c.

WYON, L. C. Medallist, Royal Mint.—Portraits of the Royal Children, modelled by command of Her Majesty. Model adopted by the Royal Commissioners as the second size Great Exhibition PRIZE MEDAL.

WYON, W. R. A. Royal Mint, Des. and Mod.—Portraits of Her Majesty and H.R.H. Prince Albert, being the model for the obverse of the GREAT EXHIBITION PRIZE MEDALS. Proof coins of the present reign. Specimens of the coins of two preceding reigns, and also of Portuguese, Venetian, and New Granada. Models of war and various other medals.

YEO, D. D. Aahburton, Devonshire, Prop.—Specimen of oil painting on white velvet; adapted for the coverings of chairs, ottomans, sofas, &c.

ZAROLIA, H. B. 2 Russell Pl. Fitzroy Sq. Des.—Goblet, mounted in gold, and encircled with an allegorical painting, representing Justice.

ABBOT, G. 4 Perch St, Bedford Sq. Prod.—Bronze Statuette: The Duke of Wellington at Waterloo; silver embossing of H. R. H. Prince Albert; The Sisters, and The Inconstant, after Stephanoff.

ADAMSON, O. G. Glasgow, Prop.—A large bouquet, made from Brazilian birds' feathers, &c.

ADSBRAD, J. 45 George St. Manchester, Des.—Illustrated plan of the township of Manchester, corrected up to February, 1851, showing all the public buildings, factories, &c.

AMBROSE, E. Cork, Ireland, and 101 Stanhope St. Mornington Crescent, London.—Group in marble: Psyche, by the light of a lamp, discovers Cupid asleep.

ATKINSON, ELIZABETH, 9 Devonshire Pl. Harrogate, Yorkshire, Des. and Prod.—Figure of Her Majesty, and figures in Turkish costume, &c. in wax.

BADOCK, J. Brighton.—Photographic specimens of vaccine, produced by inoculating the cow with small-pox, showing the character of the vesicles in their different stages.

BAINBRIDGE, J. Gilling, Richmond, Yorkshire.—Model of Clumber House, the seat of the Duke of Newcastle, in cardboard.

BAKER, R. C. 33 Above Bar, Southampton, Des.—Design for a new style of monumental tablet.

BAKER, D. T. 93 Newman St. Oxford St. Des. and Executor.—Coat of arms of H.R.H. Prince Albert; embossed on vellum, with insignia of the orders of knighthood.

BARCLAY, G. 22 Gerrard St.—Designs for visiting cards. Specimens of die-sinking and engraving on gems. Imitation coins in paper. Scripture coins.

BARRATT, R. 106 Great Russell St. Bedford Sq. Inv.—A newly-invented candle clock lamp. Newly-invented window-frame and sash, of exceedingly simple construction. Improved painting and dusting brush. Newly-invented spring stocks. Specimen of newly-invented writing and printing for the blind. Newly-invented method for facilitating the production of patterns in wove fabrics. Specimen of new and economic water and air beds, for hospitals, workhouses, &c. Specimens of newly-invented reflectors, and chimneys, for gas and oil burners.

BARTON, W. Derby, Inv. and Prod.—Bitch and puppies, in Derbyshire alabaster.

BASSEE, W. 5 Reservoir Rd. Notting Hill, Des.—Design for a Gothic clock.

BATTAM, T. 2 & 3 Johnson's Court, Fleet St. Prod.—Collection of vases, with subjects from the antique.

CLASS 30. *Sculpture, Models, and Plastic Art, Mosaics, Enamels, &c.*

- BEEVOR, J. M. D.** Newark-upon-Trent, Inv.—A fox-hound, illustrative of an improved process of taxidermy, effected by the use of gutta percha, in taking a model of the animal.
- BELL, W. C.**, 44 Dean St. Soho St. Prod.—Enamel painting: *Ecce Homo*, after Correggio.
- BISHOP, J.** North Audley St. Inv.—Engravings by clockwork, for the prevention of forgery. Oval medallion of Her Majesty, produced by a single line of equal thickness, and 229 feet in length.
- BLANCHARD, M. H.** King Edward St. Westminster. Rd. Mann.—*Terra cotta*: Ionic capital, des. by and under C. Barry, Esq. Gothic pinnacle, des. by and under F. Puget, Esq. Model of the Yarborough testimonial, P. Holt, Esq.
- BONFAR & CARPHEA**, Castle St. Edinburgh, Des. and Executors.—Design, in imitation of fresco painting, and of inlaid wood. Designs, in imitation of inlaid marble, in the Watsian style.
- BOVER, J.** Plymouth, Devon, Mass.—A chimney-piece, designed by O. C. Arthur, architect; and a font, in the perpendicular style, designed by W. Damant, architect; executed in marbles, &c. found in the neighbourhood.
- BREKFRON, C.** St. Mary's, Bedford.—Drawing, executed with a lithographic pen, and Indian ink.
- BRETT, G.** 21 Tysoe St. Wilmington Sq. Des.—Onyx gem cameos: Cupid and Doves; heads of Ariadne, Bacchantes, Goddess of Youth, and Medusa.
- BROOKS, A.** School of Des. Manchester, Des.—Decoration, suitable for the top of a door or window in a music room.
- BROOKER, G.** 3 Trinity St. Cambridge, Des.—Model of a 120-gun ship, in cork. Design of the great quadrangle of Trinity College.
- BROOKS, G.** St. Albans, Herts, Prop.—Clavic attachment, for facilitating the performance on the violin, violoncello, and double bass.
- BROWN, E.** 58 Gt. Russell St. Bloomsbury, Des. and Sculp.—Sepulchral monument of the decoration period, in Caen stone.
- BUCKLE, S.** Peterborough, Prod.—A series of pictures from nature, taken by Talbot's photographic process, called calotype, and printed from paper negatives.
- BUDGE, J.** Wells, Somerset, Mann.—Models in English oak and in ivory, of a chair formerly the property of Abbot Whityng.
- BURR, C. F.** Mouton Lodge, Greenheys, Manchester, Des.—Case of designs, for stained and painted glass-windows, and interior architectural decorations.
- BURNS & PALMER**, Manchester, Prod.—Models, in plaster, of windows designed by J. E. Gregan, architect.
- BURSTIL, H.** 9 York Ter. Queen's Rd. Hornsey Rd. Mod.—Portrait medallions of Her Majesty and H. R. H. Prince Albert, in an improved composition. Model in in-frangible wax, inv. G. H. and H. Burwill.
- CALVERT, Rev. W.** 3 Gt. College St. Westminster, Des. and Artist.—Specimen of pyrography, executed upon lime-tree, with a common poker, heated to a red heat.
- CAMERON, G.** 11 Shepherd's Market, May Fair, Inv.—Imitations of damask, in paint, for decorations.
- CARFPELL, T.** 16 Gt. Marlborough St. Des. and Sculp.—Bas-relief, statue of a peer robed.
- CARRINGTON, F. A.** 10 Henrietta St. Covent Garden, Maker.—Models of three thousand square miles of England; of part of the port and town of Dundee; of Blyth, in Nottinghamshire; and of the country between Manchester and Southport.
- CAREWATERS, W.** Reigate.—Model of the new church at Southwater, Sussex, in Reigate stone. Designed by J. P. Harrison.
- CASTLE, J.** Cowley Rd. Oxford, Des. and Sculp.—Baptismal font, in Caen stone, enriched with four compositions in alto-relievo, and symbolical decorations of fruits, foliage, &c.
- CHAPMAN, J.** 23 East Pl. Lambeth, Sculp.—Carved oak Gothic looking-glass frame, of the perpendicular style.
- CHESTER, S.** 1 Blomfield Rd. Maida Hill, Prod.—The Holy Family: a specimen of enamel painting on porcelain, after the picture in the National Gallery by Murillo.
- CLAPHAM, J. K.** 6 Briggate, Leeds, Prop.—A county map of the United States, from a steel plate, on Goodyear's gum elastic.
- CLIFFORD, G.** 5 Inner Temple Lane, Temple—Specimens of books, maps, deeds, &c. cleaned and restored.
- CONSTABLE, H.** 28 Queen's Gardens, Brighton, Des.—Model of Lord Nelson's mode of attack on the combined fleet off the Cape of Trafalgar.
- COTTON, D.** Longwood, near Huddersfield, Maker.—Model of the Leeds Industrial Training School.
- COLLIS, G. E.** Church St. Birmingham —Series of 60 medals, in bronze, illustrative of the Holy Scriptures, with a reverse to each; medals of the Kings and Queens of England, from William the Conqueror to her present Majesty, &c.
- COLLIE, W.** Belmont House, St. Heliers, Jersey, Prod.—Calotype pictures from life: French and Jersey market women.
- COOKES & SONS**, Warwick, Des. and Mann.—The Kenilworth oak buffet, with sculptured reliefs, illustrative of events at Kenilworth Castle, from a celebrated oak tree grown upon its domain.
- CRADDOCK, T.** Wisbech, Prod.—Photographic copy of Holloway's print of Raphael's *Elymas*; of *Vandyke's St. Ambrose* refusing Theodosius admittance into the church, &c.
- CREKFIN, K.** Church Fields, Cheshunt, Des. and Carver.—Carved Gothic shrine, and four carved figures.
- CRIBB, T. J.** Kilburn, Mann.—Working model—landscape to work by clock-work.
- CUNDALL & ADDEY**, 21 Old Bond St. Publishers.—Copies of sacred pictures by the old masters; and of water-colour drawings, printed in colours from wood-blocks, by Messrs. Leighton, of Lamb's Conduit Street. Specimens of wood-cut printing, by Robson, Levey, and Franklyn, of New Street, Fetter Lane.
- DAVE, W.** 13 Osnaburgh St. Regent's Pk. Des.—Ascent and Descent of Sabrina, from Comus. Titania and Oberon, "Come, trip we under the night-shade."
- DE GROOT, C.** 1 Swift's Row, Dublin, Des. and Mann.—Basket of fruit, flowers, and ornaments, carved in sycamore; oval picture frame, in lime-tree.
- DICKSEE, J. R.** 27 Howland St. Fitzroy Sq. Prod.—Sabbath Evening, a specimen of lithography, in six colours.
- DIGHTON, T. D.** 2 Great College St. Westar. Prod.—Models: the great Exhibition and the Record Office, from designs of J. Pennethorne.
- DINSDALE, C.** Newcastle, Inv. and Mann.—Artificial gums, &c. Wax models, illustrative of the hatching of a hen's egg.
- DINSDALE, C.** Newcastle, Mann. and Inv.—Artificial teeth, &c. Models illustrative of incubation.
- DOE, E.** High St. Worcester, Des.—Specimens of enamelling upon porcelain plates. Scene from Shakespeare's *Richard the Second*, &c.
- DOWER, HENRIETTA**, 39 Upper Charlotte St. Fitzroy Sq. Inv. and Des.—Painting on vellum, in gold, silver, and colours, with raised work.
- DOWN, S.** Ivythorn, near Glastonbury, Des.—Model of a decoy pool for taking wild fowl.
- DUNCAN, J.** 65 Manor St. Dublin, Inv.—Maps of

parts of the county of Kilkenny, exhibiting the undulations of ground in natural relief by a peculiar process of engraving.

DUNN, Mx. E. C. & DE, London, Inv. Manu. and Pat.—Mechanical human figure, capable of expansion, in perfect proportion, from the standard of the Apollo Belvedere to seven feet high. For the use of artists; and of manufacturers of wearing apparel, &c.

DURANT, SUSAN, 14 Conduit St. West, Des. and Sculp.—Group in plaster: Belisarius.

EASTHAM, J. Worcester, Des.—Unusually long photographic plate, with many scenes upon the same surface; all finished at the same time.

EMERY, J. 14 North St. Westminster, Des.—Model (in plaster of Paris) of a Gothic door, with figures of Faith, Hope, and Charity.

ESSEX, W. 3 Osnaburgh St. Regent's Park, Plaster in enamel.—Portraits in enamel from ancient and modern masters, from the collections of her Majesty, &c.

EVERETT & Co. 51 Fetter Lane, Inv. and Manu.—Blacking, flexible and elastic varnish, and enamel varnish for boots and shoes.

FARRELL, T. Gloucester St. Dublin, Des.—Young Bather surprised, sculptured in Caen stone. Pastoral Life, a model in plaster.

FILDES, J. St. John's, Worcester.—Imitations of Egyptian green, Parian, black Sicenna, and black Kilkenny marble.

FILDES, J. Worcester, Inv.—Imitations of Sienna and Egyptian green marble, on shafts or columns, with imitation Parian marble torus, black marble plinths.

FITCH, H. Stebbing, Essex, Des.—Model of Stebbing Church, Essex, by a police constable.

FORREY, A. H. 33 Castle St. Leicester Sq. Des.—Statue in plaster of Paris: The Forsaken.

FOLKARD, W. A. 52 Lime St. Chambers, Leadenhall St.—Illustrations of the process of wood-engraving.

FORREY, A. H. 33 Castle St. Leicester Sq. Des.—Statue in plaster of Paris: The Forsaken.—*Vide Burns' Ballad of Lord Gregory.*

FRENCH, C. College, Eton, Bucks, Des. and Manu.—Two candlesticks, carved of walnut-tree wood.

FREWER, J. R. 105 Upper Thames St. Des. and Manu.—Model of a Gothic conservatory or fern-house.

GARDNER, W. H. Troy House, Manningtree, Essex, Des. and Executor.—Specimen of penmanship.

GRAKE, T. Sherborne, Dorset, Manu.—Model of an extending dining-table on improved principles.

GOULDING, W. 13 Great Chapel St. Broadway West, Des.—Roman Ionic portico with double column, cornice enriched with medallions; crowned with a balustrade in white Parian cement, polished.

GOULDING, W. 13 Gt. Chapel St. Westminster, Des. and Prod.—Roman Ionic portico, with double column, &c.; executed in white Parian cement, and polished.

GRAY, J. Newhaven, Sussex, Prod.—Model of a South Sea whaling-ship, showing the internal and external fastenings, &c.

GREEN, J. 109 Gt. Portland St. Cavendish Sq. Des. and Eng.—Large military trophy engraved on a zinc plate, with bronze frame.

GREEN & FAHEY, 62 Charlotte St. Portland Pl. and 15 York Pl. Brompton, Inv.—Folding drawing models, in three series, illustrating the application of perspective, and the principles of light and shade.

GRIGG, J. H. Banwell, near Wells, Inv. and Manu.—Ornamental rustic chair; rustic ornamental table; and mechanical pictures, composed of woods of various hues.

GRIMSLEY, H. Oxford, Des. and Mod.—Terra-cotta

statue, made in clay obtained from Shotover Hill, near Oxford. Clay, sand, and ochre, from the same place, showing fourteen different strata.

HALLIDAY, R. W. 46 High St. Bloomsbury, Eng.—Specimen of stencil plate engraving on thin metal.

HANMERSLEY, J. A. Principal of the School of Des. Manchester, Des.—Plature in oil colours, showing the principles upon which floral forms are adapted to designs for textile fabrics.

HAMPSON, B. 14 Fountain St. Manchester, Des. and Manu.—Specimens of ornaments, labels, and tickets, for manufactured goods.

HANCOCK, J. Newcastle-upon-Tyne, Prod.—Stuffed birds, &c. illustrative of falconry. The Immergerger of the Alps; young leopard reposing, &c. Group in bronze: Eagle and swan (cast in one piece).

HANCOCK, J. 101 Stanhope St. Regent's Park, Sculp.—Dante's Beatrice.

HANE, P. 197 Gt. Britain St. Dublin, Manu.—Model of O'Connell in bread.

HANMART, M. & N. 64 Charlotte St. Rathbone Pl. Prod.—Chromolithography, in graduated tints.

HARVEY, A. Pezance, Prod.—Carvings in box wood: Peter the Great, and Laccouu; Wild Sports of the East; Attack of the Lion.

HARRIS, J. Jun. 10 Thornhill Bridge Pl. Pentonville, Des. and Sculp.—Sculptured frieze in plaster.

HARRIS, J. 40 Sidmouth St. Regent's Sq. Prod.—Imitations of ancient typography, by Carxon, Wynkyn de Worde, Pynson, &c. Italian illuminated painting of the 16th cent. Holbein's Dance of Death.

HARRISON, W. Millbank, Westminster, Des. and Builder.—Model of a house lately built on Putney Heath, an inch to a foot, the design has been much admired as a beautiful example of true old English architecture, and the minutiae is carried out internally and externally with great care from the best examples in that style, entirely of brick and stone. The model made by W. Smith, a workman engaged on the building.

HAWKINS, B. W. 57 Cambridge St. Hyde Park Gate, Des.—Group in bronze of the European bison or aurochs. The fox-hunters' candelabra. Model of a fireplace, composed of metal and porcelain.

HEAVSIDE, J. 30 Bedford Sq. Des.—Designs for china, and for papier-maché; for decorative paper and paper-hangings; for cotton prints, &c.

HEDDERLAND, G. Grove Pl. Lisson Grove, Des.—Stained and painted glass of the decorated period of Gothic architecture.

HELLYER & SON, Northumberland Wharf, Black-wail, Des.—Group of seventeen figures, carved in wood, on a pedestal.

HENPHILL, W. D. Clonmel, Ireland, Des. and Manu.—Carvings in ivory, African black wood, Walrus ivory, and hippopotamus ivory.

HENING & REMINGTON, 137 Regent St. Prop.—Printing in colours: invented and executed by J. Hagshe.

HERBERT, SARAH, 20 Royal Avenue Ter. Chelsea, Inv.—Specimen of papyrography, a novel method of representing landscapes, &c.

HESSEY, N. School of Des. York, Des. and Mod.—Designs and models, in burnt clay, for part of a frieze or pediment, and for small pilasters, or jambs of chimney-pieces.

HEVIER, A. 10 Portugal St. Grosvenor Sq. Inv. and Des.—Britannia orbi mDOCCLI: a decorative picture for a ceiling.

HIGLEY, S. 33 Fleet St. Prod.—Anatomical statuette, exhibiting the external muscles, with outline, drawings, &c.

CLASS 30. *Sculpture, Models, and Plastic Art, Mosaics, Enamels, &c.*

- HILL, S. Clifton, York, Inv.—Model of window, with six panes to open and shut separately. Venetian blinds, &c. Model of fireplace, with ventilating air chamber behind.
- HOARE, M. Langport, Somerset.—Cork model of the abbey church at Bath.
- HODSON, J. S. Jun. 22 Portugal St. Lincoln's Inn Fields, Prod.—Letter-press printing, partly in colours.
- HOGAN, J. Wentworth Pl. Dublin, Des. and Maker.—Statue, in marble, representing Hibernia, with accessories, wolf-dog, harp, &c.
- HOLT, J. 80 Pratt St. Camden Town, Manu.—Specimens of modelling, chasing, and embossing.
- HOLDING, Mrs. MARYANN, late of Scarborough, Des. and Maker.—Pair of wax figures, fancy costume; groups of flowers; and shells in wax.
- HORNER, G. 53 Rathbone Pl. Oxford St. Des.—Architectural decoration for halls, rooms, &c.
- HOWE, J. G. 4 Cumberland Pl. New Rd. Des. and Executor.—Stained glass window, after the style of the 13th century.
- JENNINGS, J. 20 Portland Pl. Canonbury, Des.—Specimens of intellectual paper-hanging.
- JENNINGS, B. Hereford, and 17 Lower Eaton St. Grosvenor Pl. London, Des. and Sculptor.—Marble statue of Cupid: The Birth of the Rose. Marble bust of The Madonna.
- JOBBINS, J. R. 3 Warwick Ct. Holborn, Prod. Medieval decorations, from cathedrals and churches in England, printed in colours in lithography.
- JOHNSON, G. J. Newmarket, Prod. and Des.—Boss, frieze, and tablet for a church; and bracket of flowers.
- JOHNSON, W. 10 Middlesex Place, New Rd.—Specimens of electro-metallurgy: Fluxman's Shield of Achilles. Electrotypes of Henning's reduced Elgin marbles: Cartoons after Raphael, in bronze, silver, &c.
- JOYCE, J. E. 41 Upper Charlotte St. Fitzroy Sq. Des. and Sculpt.—Mother and child, children and animals, and The Favourite, portraits.
- KADLBACH, E. Duke St. Grosvenor Sq. Des. and Mod.—Statuette of Sappho.
- KENNEDY, E. M. M.D. Dublin, Inv.—Siphon, adapted to green-house or garden watering. Siphon adapted to medical purposes.
- KING, T. Morpeth.—The Earl of Carlisle's coat of arms, cut in free-stone from a quarry belonging to the said Earl at Hartford Bridge, Northumberland.
- KILMOREY, E. H. The Earl of, Prop.—An Ionic statue in marble, by L. Macdonald, of Rome.
- KIRK, J. B. A.R.H.A. Jervis St. Dublin, Sculpt.—An original group, in plaster: The creation of the Dimple.
- KIRK, W. B. A.R.H.A. Jervis St. Dublin, Sculpt.—Original group, in plaster: Pastoral Age.
- LEYLAND, Capt. 7 Old Jewry, Prop.—Three groups in marble, by John Benzoni, an Italian sculptor, at Rome. 1. Cupid and Psyche. Four bas-reliefs adorn the sides of the base. 2. Gratitude, a very young girl extracting a thorn from the paw of a little dog. 3. Innocence defended by Fidelity. Rinaldo d'Armida. A group in marble, by Sig. Rinaldo Rinaldi, of Rome. Marble figures: The nymph Glycera, and a nymph, both by the late R. J. Wyatt, of Rome.
- LAMBERT, R. Cheadle, Inv.—Model illustrative of architectural design and beauty, on a new method.
- LEAVEN, J. Cookham, near Maidenhead, Des. and Manu.—A corona lucis for lighting a church.
- LETTI, S. 9 South St. Andrew St. Edinburgh, Inv.—Specimens of a substitute for the use of India paper in plate printing.
- LEWERS, Miss J. 55 Capel St. Dublin, Manu.—Wax flowers.
- LEWIS, D. Monmouth, Manu.—Cork model of Tintern Abbey.
- LEYLAND, Capt. T.—Marble group, Cupid and Psyche, and Gratitude and Innocence defended by Fidelity, by Benzoni of Rome. Rinaldo and Armida (Tasso), by Rinaldi of Rome. The Nymph Glycera, and a Nymph, by the late R. J. Wyatt of Rome.
- LILLEY, J. Fivehead, Taunton, Somerset, Des.—Anatomized specimens of the leaves of trees dyed black, and displayed on white drawing-board, to show varieties in kind, size, texture, shape, and shade, &c.
- LIMESE, CHARLOTTE, Deiganey, Ireland, Prod.—Models, in elder pith, of Great Cross, and cross of Mulredach, Monasterboice; cross at Clomnacnoise, &c.
- LOMO, C. 1 King St. Portman Sq. Inv.—Engine-turning on glass; applicable to windows, blinds, conservatories, hall-lamps, &c.
- LOWLEY, W. H. 1 Eaton Pl. Park St. Oxford St. Manu.—Wood carving: basket of flowers, and two horns of plenty.
- LOUGH, J. G. 42 Harewood Sq. Des.—Sculpture: The Mourners.
- LUNDEK, Miss I. 8 Trevor Ter. Knightsbridge, Des. and Manu.—Tableau of flowers, modelled in wax, festooned with acorns and leaves.
- MACLACHLAN, J. Douglas, Isle of Man, Inv.—Models of machinery for purifying towns, destroying putrescence, removing manures (inoffensively) by rail, &c.
- MACLURE, A. 3 Bow Chyd. also Liverpool, Manchester, and Glasgow, Inv.—Lithographic printing machine, by steam-power.
- MAKEPEACE, ELIZA, 7 Manor St. Clapham, Surrey, Mod.—Models in wax:—the *Lilium lancifolium speciosum*. *Gloria peregina*. *Cymbidium obtusum*, and *Phalaenopsis amabilis*.
- MAREE, H. 31 Ebury St. Eaton Sq. Pimlico, Des.—Group of a Nymph and Cupid, and model for marble.
- MAKEPEACE, ELIZA, 7 Manor St. Clapham.—Model, in wax, of the *Lilium lancifolium speciosum*.
- MARSH & MORRIS, 8 Wilson St. Gray's Inn Lane, Manu.—Woodcuts and bituminous stereotype plates, with the impressions obtained from each.
- MARDON, W. 56 Hunter St. Brunswick Sq.—A carving in oak: The Massacre of the Innocents, or Angels comforting the afflicted Mother; by M. Geerts, of Louvain.
- MARSH, T. C. Stable Yd. St. James's Palace, Manu.—Electro-deposits in copper.
- MAROCCHETTI, The Baron CARLOW, Onslow Sq. Brompton, Des. and Sculpt.—Equestrian statue of Richard Corur de Lion; bas-reliefs, the taking of Ascalon; Richard prisoner and Blondell; Coronation and Death of Richard. La Tour d'Avvergne; First Grenadier of France. Monument of the Marquis di San Tomasso.
- MARTIN, T. Newton Abbot, Inv. and Manu.—Wax impressions of seals engraved by machinery, by a process called "Tornography."
- M'CARTHY, H. 17 Albert Ter. Knightsbridge, Des. and Mod.—Deer stalking, and colossal head of a horse.
- M'CALLUM, A. School of Design, Manchester, Inv. and Des.—A dioramic and musical timepiece. History of the calico printing of Manchester, comprising specimens of the trade since its rise and during its progress, and illustrated by views in and about Manchester.
- McEWIN, T. 83 Clerk St. Edinburgh, Des. and Sculpt.—John Anderson my Joe, a group in Scotch stone; John Baptist preaching, and Strength perfected in weakness, in plaster.

CLASS 30. *Sculpture, Models, and Plastic Art, Mosaics, Enamels, &c.*

MIDDLETON, J. Bondgate, Darlington, Prod.—Model of York Minster, to a scale of 15 feet to the inch.

MILNES, T. Judd Pl. East. Euston Squ. Des. and Sculp.—Design for monument to the memory of Lord G. Beningok. Groups of animals, &c.

MOSEY, R. 13, 14 Pall Mall, Des. and Sculp.—Statue in Carrara marble: Eve after the Fall. Ancient and modern Love. A veiled Vestal. Bust in marble. A female Slave in the Market, &c. Ornaments and mouldings in English terra cotta.

MONTEFIORE, Sir M. B. Grosvenor Gate, Park Lane, Prop.—Two vases carved out of a species of sand-stone of Jerusalem, with an ordinary penknife, by M. Schnitzer, of that city.

MONTREALE, Lord, Mount Trenchard, Co. Limerick, Ireland, Prop.—Specimen of marble, from Danluevy Quarries, Donegal. Statue of the late Henry Grattan, M.P.

MOORE, A. 19 Arthur St. Belfast, Ireland, Mann.—Table, painted in imitation of marble, inlaid or mosaic work.

MOSTRICK, W. 10 George St. Edinburgh, Mann.—An inkstand. The pebble and jasper agates found in Scotland.

MOULIN, C. 7 Everett St. Russell Sq. Des.—Model of a fortified town, defended by six fronts of fortification.

MURRO, A. 105 Tachbrook St. Pimlico, Des.—*Francesca di Rimini and Paolo.*

When of that smile we read,
The wished smile, so rapturously kissed
By one so deep in love, then he, who ne'er
From me shall separate, at once my lips
All trembling kissed.—*Dante, Inf. c. 5.*

MURPHY, D. J. Chamber of Commerce, Cork, Ireland, Inv.—Model of archimedean agricultural machine, for preparing the soil, to receive the seed by one operation.

MYERS, G. Ordnance Wharf, Lambeth, Mann.—Fest and cover in the style of the fifteenth century. Herodes and altar. Oak image of St. John the Baptist, on corbel, &c. Copper casement, for a lunatic asylum.

NASH, C. DE LACR, Parliament St. Westminster, Prop.—Imitation walnut-shell, containing looking-glass, &c.

NEWMAN, W. H. Bathford, near Bath, Prod.—Bust in Bath freestone: The poet Milton.

NEWREY, F. Stoke Newington Green.—Copies, by electro-metallurgy, of the only medal extant of Alfred the Great.

O'CONNOR, M. and A. 4 Berners St. Des. and Prod.—Painted glass windows. Specimens of mosaic back grounds, antique figures, &c.

OTTLEY, T. 122 Snow Hill, Birmingham, Des. and Mann.—Gold, silver, and bronze prize medals; also historical and other medals.

PAGE, H. M. 23 Coventry St. Haymarket, Prop.—Carved bracket, chased and gilt.

PAFFER, J. P. Clarendon St. Cambridge, Sculptor.—Queen Elizabeth, Sir Robert Peel, the Saviour, Rubens, Vandyke, Oliver Cromwell, and King Charles I.

PALMER, W. 144 Western Rd. Brighton, Inv.—Revolving table for modellers, &c. Callipers, for reducing or enlarging to three different scales.

PANTON, J. M. D. Rugby, Des.—Pathological illustrations, consisting of cartoon paintings, covered with plate glass.

PARCHY, J. JUN. 10 George St. Hanover Sq. Prop.—Bronze bust of Sir T. Lawrence, by S. Parker.

PEARL, J. Pudsey, near Leeds, Yorkshire, Prod.—Specimens of ornamental turning, cut in relief in wood and marble, copied from coins, medals, and flowers, by automatic machinery.

PEPPER, W. 34 Western Rd. Brighton, Sculptor.—

Life-size figure of the Infant Hercules, and of a child and dog, The Humble Petitioner.

PERRY, W. Bridge St. Taunton, Des. and Executor.—Vase of roses, &c., carved in boxwood. Miniature frames, showing specimens of carving in its various stages.

PETMAN, H. P. Abingdon, Berks, Sculp.—Font, executed in marble.

PIKE, T. J. Cheltenham.—The royal arms, &c. emblazoned on glass.

65 PINDES, T. Burslem, Staffordshire Potteries.—Designs cut in paper by Mrs. T. Davis, with a pair of scissors and a needle.

PLACK, G. G. Nottingham.—Drawings illustrating the Art of Church Building in the United Kingdom.

PURAM, J. Waltham Cross, Broxbourne, Des. and Mann.—Gothic vase. Embossed ridge, &c. in terra cotta. Artificial rock-work in miniature. Model of a mullion window, in cement. Air-tight casement.

PULLAN, R. P. 65 Higher Temple St. Manchester, Des.—Designs for polychromatic decorations, after the manner of the middle ages, showing the effect of the application of positive colours instead of half tints.

PULLEN, R. Farnham, Surrey, Des.—Carvings in wood: The Village Dance, the Wearied Pedlar, and The Gipsy Fiddler.

PURDY, C. W. Warwick St. Pimlico, Des. and Executor.—Gothic monument, of the decorated style, period fourteenth century.

RAMSEY, E. 2 Greenside Pl. Edinburgh, Des. and Executor.—Specimen of ornamental typography, composed of marble borders, rules, &c.

READ, W. 28 Dorset St. Portman Sq. Des. and Executor.—Imitations of various kinds of marbles in paint on slabs.

READHOUSE, CHARLOTTE, Newark, Nottinghamshire, Des. and Prod.—Lunar globe, giving a general idea of the mountains, valleys, and plains of the moon, adapted for the use of schools, &c.

READHOUSE, CHARLOTTE, Newark, Notts.—Lunar globe.

REED, J. W. Kensington, Prop.—Walking-stick, carved with a knife only, out of a solid branch, by James Reed, Esq. of Heavitree, Devon.

REAY, R. Monkwearmouth, Sunderland.—Model of York Minster, in composition. Made by a lamp-lighter, during his leisure hours.

REDFERN, G. Ashford, near Bakewell, Mann.—Marble mosaic table, chiefly composed of the productions of Derbyshire. Black marble vase, copied from an antique.

REDFERN, G. Ashford, Mann.—Mosaic table, chiefly composed of Derbyshire marble, &c. Black marble vase, from the antique.

RICHARDSON, E. 7 Melbury Ter. Mod.—William Marshall, Earl of Pembroke; temp. Henry the Third.—Bronze. John Gower reciting his poems to Richard the Second.—Bronze. Horse in full action.—Bronze.

ROEBUCK BROTHERS, Huddersfield, Prop.—Specimen of carving in mahogany; subject, "The Fine Arts." Carved by J. W. Moore.

ROGERS, M. Abbey St. Derby, Mann.—Ornamental bracket, composed of autumnal fruits and flowers, and carved in lime-tree.

RUSSELL, S. 3 Darnley Ter. Gravesend, Inv.—Specimen of a new process for producing from a print of a line engraving a fac-simile on steel.

ROSS & THOMSON, Edinburgh, Prod.—Frames containing Talbotype pictures from negatives or albuminised glass.

RUSSELL, G. 4 Dee St. Aberdeen.—Snow-ball fight at school, in relief.

CLASS 30. *Sculpture, Models, and Plastic Art, Mosaics, Enamels, &c.*

ROSEBLL, T. 47 Thistle St. Edinburgh, Des. and Manu.—Desk-seal, pencil-case, and pigeon, inlaid with Scotch pebbles and jasper.

SALANDRI, E. 10 Charles St. Trevor Sq. Brompton, Des.—Designs for decoration of a room, for a pavement in inlaid wood, and for an oil-cloth.

SALTER, J. Merridale Fields, Wolverhampton, Des. and Manu.—Ornamental bricks for fronts of buildings.

SALTER, S. Elvar Cottage, Hammersmith, Mod.—Models of new church of St. Nicholas, Hamburg, of Dinting Vale Viaduct and of bridge across the river Ouse, at Selby, Yorkshire.

SANDERS, W. College Ter. Guernsey, Inv. and Des.—Model of the harbour of St. Helier, Island of Jersey. Medallions in leather, in imitation of carved wood, done by hand.

SANG, F. 58 Pall Mall, Des.—Specimens of decorations from the Royal Exchange, the Conservative Club, and Hatfield House. Des. for interior decorations.

SHARPUS & CULLUM, 13 Cockspur St. Charing Cross, Des.—British china, earthenware, and glass.

SHARP, G. 16 Wentworth Pl. Dublin, Inv.—Models for the study of elementary drawing.

SHAW, C. Mount St. Dublin, Prod.—Sculpture, in ivory, reduced from models in plaster by machinery adapted to a turning lathe.

SILLETT, J. Kelsale, Saxmundham, Suffolk, Des.—Model of ground-floor cottage, designed and built by the exhibitor for himself, at the cost of 65*l*.

SOC. FOR IMPROVING CONDITION OF LABOURING CLASSES.—Building contrivances, adopted in the construction of their model dwellings for the labouring classes, particularly that of hollow brickwork, glazed and unglazed, whereby dryness, warmth, durability, security from fire, dampness of sound, and economy of construction are obtainable. Drawings and models of buildings erected, and designs.

SMITH, H. E. Saffron Walden, Prop.—Sheets of ancient designs, reproduced for modern ornamental floors.

SMITH, F. S. Stourbridge, Des.—Model, in plaster, of a column, from a design for a building for the Great Exhibition.

SMITH, SMALMAN, & Co. Stourbridge.—Specimens of Wyatt's new patent method of glazing the surfaces of cast-iron articles. Specimens of fused glass, previous to being ground and mixed for use.

SNELLING, A. R. Vauxhall St. Lambeth.—A work of calligraphy.

SOUMER, J. 49 Rupert St. Haymarket, Manu.—Reduced model in wax: Group of animals.

SOUMER, W. 49 Rupert St. Haymarket, Manu.—Impressions from dies for ornamental purposes, &c.

SPEKCE, D. W. Newcastle-upon-Tyne, Des. and Manu.—Plaster panel, designed in the Italian style.

STAINES, E. 9 Salisbury Pl. New Rd. Prop.—System of fortification, plans, &c.

STRALON, J. 42 Berwick St. Soho, Des. and Manu.—Inkstand carved in English walnut.

STAVELEY, T. K. late R. E. Old Steiningford, Ripon.—Relief map of Lina, Upper Austria, showing the entrenched camp of Maximilian Towers and the surrounding country. Des. by T. Firth.

STEVENS & SOXS, 186 Drury Lane, Manu.—Martin's cement, for internal walls, plain and coloured, decorations, &c. Designed by J. T. Knowles

ST. HELENS CROWN GLASS CO. St. Helens, Lancashire, Manu.—Ornamental window of national emblems. Statue and ornamental windows. Subject window, in colours: Michael casting out the great Dragon.

STRIPP, G. W. 33 Kirby St.—Carved bread plate and knife. Carved stand for time-piece.

STOTT, A. Oldham, Des.—Sculptured figure of James the First of Scotland, in confinement at Windsor, entitled, the "Captive Poet."

TASSEY, E. 17 Georgiana St. Camden Town, Des.—A chandelier.

TEAGLE, R. & W. 24 Hertford St. Chelsea, Inv. and Manu.—A figure of Lazarus, in artificial stone, cast from an original carved wood figure, said to be brought from Rome.

TEMPLE, Mrs. E. 46 Connaught Ter. Hyde Park, Mod.—Flowers modelled in wax from nature.

TERRETT, Mrs. R. N. Vale of Health, Hampstead.—Miniature of Pope Pius IX. by the exhibitor, a self-taught artist. Miniature painting, The Grape Gatherer, brought from Rio de Janeiro, for exhibition.

THOM, J. Manchester, Pat.—Model of patent apparatus, for exposing to sulphurous acid gas woollen, silk, and other fabrics.

THOMAS, R. LA Circus Rd. St. John's Wood, Prop.—Hall table on an elephant, with an elevation of the Exhibition, inlaid in artificial marble.

TITE, W. F.R.S. 43 Lowndes Sq. Des.—Model of Portico and west front of the Royal Exchange, London.

TOMLINSON, J. Ashford, Manu.—Mosaic tables of Derbyshire and Staffordshire marbles. Derbyshire black marble table, inlaid. Specimens of mosaic work.

TOSGE, E. Boston, Lincolnshire, Inv. and Des.—Specimens of embossed gem-painting on glass.

TRENTAHOVE, A. 20½ Chipstone St. Fitzroy Sq. Inv. and Prod.—Decoration for a Roman door-way. Models of candelabra. Festoon, in bas-relief, for interior decoration. Vase in white marble, on a pediment, in *bigio fiorito* marble.

UNDERWOOD, T. Union Passage, Birmingham.—Lithographic printing-press, exhibiting a new process of producing imitations of water-colour drawings and oil paintings.

UNWIN, M. A., W. J. 10 Liverpool St. Finsbury, Inv.—Course of drawing, for primary schools, designed by J. Brown, teacher of drawing in the Spitalfields School of Design

UNWIN, W. H. Sawbridgeworth, Herts.—A tournament of the time of Queen Elizabeth's reign, cut entirely on of plain paper with scissors.

VALLANCE, J. Matlock Bath, Derbyshire, Des. and Manu.—Tables, vases, and other articles composed of or inlaid with flint, spar, and marbles from Castleton, Ashford, &c. Derbyshire.

VANLINDEN, P. 86 Warwick St. Pimlico, Des. and Sculp.—Virgin and Christ, in marble. Vase, in marble, from Spenser's Faerie Queene, with four bas-reliefs.

VOZEL, C. F. Milan; for Kightly and Simons, 123 Fenchurch St. Inv. and Prod.—Photographic portraits and a family group, by a novel photographic process.

VAUGHAN, J. Bath, Prop.—Vases and pedestals, showing the quality of Bath stone.

WALKER, W. Newcastle-upon-Tyne, Des. and Manu.—Windows of perpendicular and decorated periods of architecture, cinque cento style, &c.

WALKER, T. Mill St. Hanley, Staffordshire, Inv.—Quarries inlaid in various novel styles of mixed clays.

WARREN, LUCLARA, Chesdle, Staffordshire, Maker.—Model, illustrative of architectural design.

WATKINS, H. Newport, Monmouthshire, Des. and Sculptor.—Group in marble: Death of Llewellyn, the last Prince of Wales.

WATSON, J. Newcastle-upon-Tyne, Prop.—Vegetable ivory nut; the same prepared for carving; and carvings executed by Mr. R. Scott, Newcastle.

CLASS 30. *Sculpture, Models, and Plastic Art, Mosaics, Enamels, &c.*

WEEKS, J. Corfe Castle, Mason.—Design for a tomb in Purbeck stone, on a slab of Purbeck marble.

WHARTY, H. C. 85 & 87 Bridge St. Manchester, Inv. and Prod.—Flag painted on silk; with an elastic preparation, to prevent the cracking of the silk.

WHITE, W. G. Swanage, Dorset, Prop.—Purbeck stone:—Specimens for cornices, steps, copings, curbs for iron railings, winding steps, &c.

WILBUD, J. 6 College St. Snow Hill, Prod.—Profile bust of Shakespeare, in plaster of Paris, made to imitate ivory, and being equal to it in hardness.

WILLIAMS, J. 14 Alpha Rd. Regent's Park, Prop.—A Doric column, in various woods, in imitation of marble, ornamented with portraits of Raphael, Michael Angelo, and Vitruvio, and surmounted by a statue of Minerva, by Bonzanigo.

WILLIAMS, H. 7 Essex Bridge, Dublin, Prod. and Des.—Specimens of ornamental turning, executed in a lathe.

WILLOCK, E. P. & Co. Ladyshore, Bolton, Manu.—A model of a decorated Gothic church at Lever Bridge, Bolton, Lancashire, designed by E. Sharpe, architect. The church is almost entirely built, and of terra cotta, &c.

WOODHOUSE, W. 23 Molesworth St. Dublin, En-

graver.—Medals in bronze, &c. Medal dies made on a new principle in pure cast steel.

WOODKOTON, W. F. 2 Charlotte Pl. Upper Kennington Lane, Sculp.—Young Girl at the Spring.

WOODRUFF, T. Bakewell, Manu.—Black marble chess-table, inlaid border.

WORRELL, C. 20 Little Drummond St. Euston Sq. Des. and Mod.—Specimens of modelling and casting. Tomb of Edward the Black Prince in Canterbury Cathedral, &c.

WRIGHT, C. 8 Torriono Ter. Kentish Town, Des. and Mod.—Statuette of a sleeping baby, modelled from life, and cast in composition, to imitate marble.

WRIGHT, F. 23 Cirencester Pl. Fitzroy Sq. Des. and Sculp.—Bracket for an oratory, in mahogany.

WYATT & BRANDON, 77 and 75 Great Russell St. Des.—Model in card, by Mr. S. Salter, Hammersmith, of the new church of St. Mary and St. Nicholas, at Wilton. The exterior is entirely of stone, and the interior richly decorated with marble, mosaic, and painted glass; being the first example introduced into this country of that peculiar style of architecture so prevalent in the north of Italy, the Romanesque. Model of the new Assize courts at Cambridge. The principal front is of Whitby stone, and the fittings of the interior are of oak.

- 109 Sandal-wood.—*Timor Island*.
 110 Sapan-wood.—*Siam*.
 111 Sapan-wood. The sapan-wood furnishes a red dye, —*Philippine Islands*.
 114 The same, smoked.—*Malacca*.
 112, 113, and 118 Canes as cut from the jungle.—*Malacca*.
 115, 116, and 117 Canes.—*Sunatra*.
 119 Vegetable tallow.—*Malacca*.

AGRICULTURAL PRODUCTIONS AND SUBSTANCES MANUFACTURED FROM NATIVE PRODUCE.

- 120 Paddy, or rice in the husk.—*Malacca*.
 121 Cleaned rice.—*Malacca*.
 122 Katjang ojo, or green peas.—*Sumatra (Assahan)*.
 123 Katjang ojo, or green peas.—*Sumbawa*.
 124 Katjang tahoo.—*Sumatra (Assahan)*.
 125 Katjang tahoo.—(*Prot ayam*).—*Malacca*.
 126 Ejin.—*Malacca*.
 126a Dammar batu, a resin.—*Malacca*.
 127 Pulut rice. Considered as a delicacy, and much prized for its nutritious qualities.—*Malacca*.
 128 Pulut rice, dark variety.—*Malacca*.
 129 The nutmeg, as plucked from the tree.—*Singapore*.
 130 Nutmeg, shelled.—*Singapore*.
 131 Mace.—*Singapore*.
 132 & 133 Nutmegs.—*Pinang*.
 134 Mace.—*Pinang*.
 135 Cloves.—*Pinang*.
 136 & 137 Black and white pepper.—*Singapore*.
 138 Cinnamon.—*Malacca*.
 138a & 138b Katjang tansh or ground nut, white and brown varieties.—*Malacca*.
 139, 140, & 141 Pearl sago. The raw material imported from Sumatra, Borneo, and neighbouring islands.—*Singapore*.
 142 Sago flour.—*Singapore*.
 143 Arrow root flour.—*Singapore*.
 144 Pearl arrow-root.—*Singapore*.
 145 Gambier.—*Singapore*.
 146 Gold-dust.—*Borneo (Sangoh)*.
 147 Gold-dust.—*Borneo (Sumbas)*.
 148 Gold-dust.—*Malay Peninsula (Klantan)*.
 149 Gold-dust.—*Malay Peninsula (Pahang)*.
 150 Gold-dust.—*Malacca*.
 151 Smelted antimony.—*Borneo*.
 152 Tin.—*Malay Peninsula (Patani)*.
 153 Tin.—*Malay Peninsula (Malacca)*.
 154 Tin.—*Malay Peninsula (Pahang)*.
 155 Tin.—*Malay Peninsula (Johor)*.

TEXTILE MATERIALS AND FABRICS.
Singapore.

- 157 Tall rami, in its various stages of preparation. See Nos. 227 and 229.
 158 Bark of the trap-tree. See No. 230.
 159 Plantain fibre.
 160 Aloe, or agave fibre, prepared as thread.
 161 Pine-apple fibre, three qualities.
 161a Pine-apple fibre, prepared for weaving cloth.
 162 Pine-apple fibre cord-twine.
 163 Fibre of the musa or plantain-stem.
 164 Raw cotton, *Gossypium herbaceum*.—*Sumatra (Acheen)*.
 165 Raw cotton, *Gossypium herbaceum*.—*Sumatra (Palembang)*.
 167 Cotton-twist, manufactured at Palembang, by natives.—*Sumatra (Palembang)*.
 168 Bark cloth, manufactured by the Semangs or oriental Negro tribes.—*Malay Peninsula (Kedah)*.
 169 Bark cloth, made from the bark of the paper mulberry.—*Celebes (Kaili W. C.)*

170 Coarse cotton cloth, worn by field-labourers, and exported to Cernam and New Guinea.—*Bali Island*.

171, 172, 173, & 174 Cotton cloth, manufactured from native produce by the Dyak tribes.—*Borneo, N. W. Coast*.
 175 Salendong or scarf, embroidered with gold thread.—*Malay Peninsula (Tringans)*.

175a Salendong or scarf, embroidered with gold thread.—*Malay Peninsula (Pahang)*.

176 Silk handkerchief, embroidered with gold thread.—*Malay Peninsula (Tringans)*.

177 Silk handkerchief, embroidered with gold thread.—*Malay Peninsula (Lingy)*.

179 Salendong or shawl.—*Timor Island*.

180 Salendong or scarf. Cotton and dyes of native growth; raw silk imported from the continent of Asia.—*Sumatra (Batubara, East Coast)*.

181 Salendong, silk.—*Sumatra (Acheen)*.

182 Sarong or potticoat, silk.—*Sumatra (Palembang)*.

183 Sarong or potticoat, Silk.—*Sumatra (Acheen)*.

184, 185 Saluer or trousers, of silk, and of silk and cotton mixed.—*Sumatra (Acheen)*.

186 Silk cloth.—*Camboja*.

187 Saluer; all the materials of native production.—*Sumatra (Acheen)*.

188, 190 Saluer.—*Sumatra (Palembang)*.

189 Saluer.—*Sumatra (Acheen)*.

191—194 Silk sarong.—*Sumatra (Palembang)*.

195 Silk sarong, silk.—*Sumatra (Palembang)*.

196 Cloth silk.—*Camboja*.

197 Embroidered cloth, three pieces, for adorning the heads of pillow-cases.—*Singapore*.

198 Hand-loom, on which the bugis sarongs are made, with cloth in the process of weaving.—*Celebes*.

199 Model of frame of hand-loom, to serve as a guide for setting-up the frame.

199 Spinning-wheel, for making pine-apple thread.—*Singapore*.

FANCY MANUFACTURES.

Sumatra (Palembang).

200 Siri-box, previous to undergoing the process of lacquering.

201 Siri-box, lacquered plain.

202 Siri-box, flowered and completed.

203 Siri-box, of knyu buka, previous to being lacquered.

204 Siri-box, lacquered and completed.

205 Writing-box.

206 Pyramidal boxes.

207—212 Small lacquered boxes.

213, 214 Lacquered water-drippers.

214 Salver or tray.—*Singapore*

215 Salver or sweatmeat-tray. As cut from the forest tree previous to being smoothed and lacquered.—*Sumatra*.

216 Salver or sweatmeat tray. Partly lacquered.—*Palembang*.

217 Salver or sweatmeat-tray. Completed.—*Palembang*.

218 Covers for dishes.—*Borneo (interior of Banjarmasin, S. C.)*

221 Set of boxes, fitting one within the other.—*Borneo (Kota Ringin, or Waringin S. C.)*

222 Lid of a cream-box, and set of boxes. (See No. 218.) —*Ceram (Moluccas)*.

223 Cigar-case. Manufactured from Pandan-leaf by natives of interior.—*Celebes*.

224 Kopia or skull-cap. Pandan-leaf. Worn by Musselman inhabitants.—*Celebes*.

225 Chess-board. Exhibiting specimens of the ornamental woods.—*Pinang*.

226 Bugis kspok.—*Celebes*.

227 Clove model. Model of an Orang Bait, or state

bags. Manufactured of cloves by natives of Amboyna.—*Amboyna*.
 226 Flower-basket. Same as above.—*Amboyna*.
 229 Imitation tea-service. Same as above. Presented by Robert Bain, Esq.—*Amboyna*.

FISHING GEAR FROM SINGAPORE.

226a Floating-net. Employed in taking a small kind of herring in the neighbouring strait. The twine is of cotton, manufactured in Java.
 227a Floating-net. The twine of this net is made from the Rami fibre. (See No. 157.)
 228a Casting-net. The thread made in Java from native cotton.
 229a Sieme net. Twine of Rami fibre.
 230a Fishing.
 230b Lines. Thread of Trap fibre. (See No. 158.)
 231 Lines. Made of Java cotton thread, tanned with the fruit of the mangrove.
 232a Fishing-hook. Made from thick brass wire.
 233 Fish-spear. For spearing large fish in the clear deep water of the narrows.
 234 Harpoon. For striking *dapongs* and large fish.
 235 Fish-spear.
 236 Fish-gig.
 237 Turtle-peg. When the turtle is struck the peg or harpoon comes out of the socket in the staff, and the line alone remains attached.
 238 Fish-trap.

AGRICULTURAL AND INDUSTRIAL IMPLEMENTS, &c.

239 Hand-loom. Complete with frame.—*Sumatra (Palembang)*.
 240 Model of a plough, usually drawn by one or two buffaloes.—*Malacca*.
 241 Model of a harrow. Drawn by one or two buffaloes.—*Malacca*.
 242 Model of a scarifier. Drawn by one or two buffaloes, and employed in clearing from weeds and *lalling* the ground that has already been broken up by the plough.—*Malacca*.
 243 Model of a chungkol or large hoe, in very general use among the field-labourers of the Straits settlements as a digging instrument.—*Malacca*.
 244 Model of a sort of scythe. Used in clearing the *lalling*, or coarse grass and brushwood from lands that have been allowed to lie fallow, preparatory to re-cultivation.—*Malacca*.
 245 Instrument for reaping paddi.—*Malacca*.
 246 Rattan cutter.—*Malacca*.
 247 Carpenter's adze.—*Singapore*.
 248 Carpenter's adze. Instrument with moveable blade, calculated to serve both as axe and adze.—*Singapore*.
 248a Boring instrument. A semi-rotatory movement is given by moving the cylindrical piece rapidly up and down the shaft.—*Singapore*.
 249 Malay felling axe.—*Singapore*.
 250 Malay carpenter's axe. Used in squaring timber.—*Singapore*.
 251, 252 Gouge, chisel, and mallet.—*Malacca*.
 253 Malay parang.—*Singapore*.
 254 Sword and sheath.—*Sumatra (Acheen)*.
 255 Ranshong, or stilet to dagger.—*Sumatra (Acheen)*.
 256 Sword-sheath.—*Sumatra (Acheen)*.
 256a Betel-nut-cracker.—*Singapore*.
 257 Cocoa-nut grater.—*Singapore*.
 258 Ladle.—*Malacca*.
 259 Sandals, or wooden shoes.—*Malacca*.
 260 Sieve.—*Singapore*.
 261 Fan for cleaning rice.—*Singapore*.

262 Basket.—*Bawian*, or *Bugang Island (Java sea)*.
 263, 264 Strainers or colanders.—*Singapore*.
 265 Gutta percha jug and basin.—*Singapore*.
 266 Gutta percha timber or draw bucket.—*Singapore*.
 267 Gutta percha bucket.—*Singapore*.
 268 Gutta percha whips.—*Singapore*.

DOMESTIC MANUFACTURES.

269—271 Bugis mat.—*Celebes*.
 272 Rattan mat.—*Borneo (Banjar Massin)*.
 277 Mat.—*Borneo Proper*.
 278 Mat.—*Malay Peninsula*.
 279 Mat.—*Philippine Islands, Palu Aor*.
 284 Mat.—*Pulo Siantan (Anambas Islands)*.
 285 Mat. Made of bankuang, or mat material.—*Malacca*.
 286 Small articles. Bankuang.—*Malacca*.
 288 Nest of nine baskets. Bankuang.—*Bawian*.
 289 Covers for provisions, &c. Made of palm tree.—*Borneo (Banjar Massin)*.
 290, 291 Conical hats.—*Palembang*.
 292 Conical hats.—*Singapore*.
 293 Specimen of basket work.—*Bawian*.
 294 Set of baskets.—*Singapore*.
 295 Bamboo fans.—*Bawian*.
 296 Kopia, or Mussulman cap. Basket-work.—*Malacca*.

MODELS OF NATIVE VESSELS.

300 Model of a Lanna pirate prahu of Mindanao, 2nd class.
 301 Model of a Lanna pirate prahu of Mindanao, 1st class.
 302 Model of a padewahkan, or bugis trading prahn.
 303 Model of a sampan, 1st class. A description of boat peculiar to Singapore, and remarkable for its swiftness both with sails and oars.
 304 Model of a Singapore sampan, or passage boat, 2nd class.
 305 Model of a Singapore sampan, or passage boat, 3rd class. Employed same as above.

SUPPLEMENTARY COLLECTION FORWARDED BY THE MAIL STEAMER.—NATURAL PRODUCTIONS.

1 Edible bird's nests.—*Java*.
 2 Petroleum, or earth oil.—*Java*.
 3 Soap nuts. Used in washing.—*Java*.
 4 Dammar. A resin used instead of pitch, for paying the seams of vessels.—*Java*.
 5 White Dammar.—*Sumatra*.
 6 Gutta Podoh. Vegetable wax.—*Biliton*.
 7 Bees' wax.—*Timor*.
 8 Kanari nut.—*Java*. This production is not indigenous to Java, but has been introduced from the Moluccas.
 9 Tangeer bark. Used in making a lye for washing the hair.—*Macassar*.
 10 Gum caoutchouc. India-rubber.—*Lampungs (Sumatra)*.
 11 Gums. Collection of various gums in small bottles.—*Sarawak (Borneo)*.
 12 Mangkudu root. A red dye, *Morinda umbellata*.—*Celebes*.
 13 Mangkudu root. A red dye, as above.—*Java*.
 14, 15 Mangkudu wood. A red dye, as above.—*Java*.
 16 Lopisip bark. A dye.—*Celebes*.
 17 Sapan wood. A red dye.—*Celebes*.
 18 Bunchong bulu wood. A red dye.—*Celebes*.
 20 Gaju Gum. A dye.—*Celebes*.
 21 Kasumba. Safflower (*Carthamus tinctoria*).—*Celebes*.
 21a Resins and guttas. A great variety.—*Sarawak (Borneo)*.
 22 Vegetable tallow. Melted into a gourd-shell.—*Sarawak (Borneo)*.

FANCY MANUFACTURES.

- 130 Salad tongs, made of buffalo horn.—*Java*.
 131 Pincushion, made of buffalo horn.—*Java*.
 132 Buttons, of various sizes, turned from ivory, bone, and horn.—*Java*.
 133, 134 Combs, tortoiseshell horn.—*Java*.
 135 Kris handles, carved ivory.—*Java*.
 136, 137 Covers for tumbler, tortoiseshell.—*Java*.
 138 Covers for tumbler, buffalo-horn.—*Java*.
 139 Cigar-cases, variegated bamboo.—*Java*.
 140 Cigar-cases, tortoiseshell.—*Java*.
 141 Cigar-cases, tortoiseshell, with spring lids.—*Celebes*.
 142 Arm bangles.—*Celebes*.
 143 Kris ring and cockatoo chain.—*Celebes*.
 144 Finger rings.—*Celebes*.
 145 Seal ring.—*Celebes*.
 146 Silver bangles.—*Celebes*.
 147, 148 Chimney-ornaments, made from the nautilus shell.—*Java*.
 149 Ladies' whips.—*Java*.
 150 Horn combs and needle-case.—*Celebes*.
 151 Cane fans.—*Bawian*.
 152 Pack of playing-cards.—*Celebes*.
 153 Pinding. Golden ornament worn by Malayan women of rank as a fastening for the waist-belt.—*Singapore*.

IMPLEMENTS AND ARTICLES OF DOMESTIC USE.

- 154 Models of weapons.—*Java*.
 155 Siri, or betel-box. This form of box can only be used by the Sultan. Presented by H. H. the Sultan of *Linga*.—*Linga*.
 156 Siri, or betel-box. Form peculiar to the Rajah Muda or heir apparent.—*Linga*.
 157 Siri, or betel-box. Form peculiar to the Bindahara or treasurer.—*Linga*.
 158 Siri, or betel-box. Form peculiar to the tamung-gang or minister of war and police.—*Linga*.
 159 Knives, made from native iron.—*Celebes*.
 160 Klewang, or sword.—*Batan*.
 161 Hedung. Chopping-knife of the Tengger mountaineers.—*Java*.
 162 Sword. Made of native iron by people of Kotai, east coast of Borneo.—*Borneo*.
 163 Betel-box, containing two male and two female combs, and two children's anklets.—*Java*.
 164 Chair mat.—*Bawian*.
 165 Sleeping mat.—*Bawian*.
 166 Dyak violin.—*Borneo*.
 167 Kayan guitar.—*Borneo*.
 168 Native musical instrument.—*Java*.
 169 Brushes, made of the gammuti fibre.—*Celebes*.
 170 Instrument used for boring wood.—*Java*.
 171 Native rope, made from the bark of the kasumba.—*Celebes*.
 172 Strainer.—*Celebes*.
 173 Work-basket. Grindstone. Reels, for spinning pine apple thread.—*Singapore*.
 173a Gutta-percha splints, for setting broken limbs.—*Singapore*.
 173b Two lellahs, brass swivel guns used as an armament for Malay prahu.—*Singapore*.

MISCELLANEOUS.

- 174 Model of a farm establishment.—*Java*.
 ARTICLES collected by the LABUAN GOVERNMENT and forwarded to Singapore to be incorporated with the collection from that place:—

ARMS.

- 1—3 Ilang, shield, and war-jacket. The arms of the Kyan Chief "Ayer Berlari."

4—6 Ilang, shield, and spear. The arms of the Kyan Chief "Parau Lajow."

7—10 Ilang, shield, spear, and topy. The arms of the Kyan Chief "Tam-Adding."

11—14 Ilang, shield, spear, and topy. The arms of the Kyan Chief "Sing Owidin." All presented by the several chiefs to the Labuan Government.—*Barran River, North-west Coast of Borneo*.

15 Kris.—*Borneo*.

16 Kris.—*Sooloo*.

17 Kampilan. Sword used by the Illanun pirates on the coast of Borneo.—*Tampassuk*.

18 Kampilan. Sword used by the Illanun pirates on the coast of Borneo.—*Malluda Bay*.

19, 20 Dusun knives. Used by the Dusuns or hill tribes.—*Mengatal*.

21—23 Spears. Used by Illanun pirates.—*Tampassuk*.

24 Chain armour. Worn by Illanun pirates.—*Tampassuk*.

25—28 Shields. Used by Illanun pirates.—*Tampassuk*.

29 Case for arrow.

30 Sumpitan.

1, 2 Cloth. Manufactured by the Illanuns.—*North-west Coast (Pandassan and Tampassuk)*.

3 Cloth. Made of fibre of plantain stems by the Illanuns.—*North-west Coast (Pandassan and Tampassuk)*.

4 Cloth. Manufactured by Illanuns.—*North-west Coast (Pandassan and Tampassuk)*.

Mengatal.

5 Jackets. Made by the Dusuns from the bark of trees.

6 Sleeping wrapper. Made by Dusuns, manufactured from native cotton.

7—9 Waist-cloth, used by women. Made by Dusuns, manufactured from native cotton.

10, 11 Sarong. Manufactured in the city of Bruni.—*Brunei*.

12, 13 Hat. Worn by Dusuns.

14, 15 Baskets. 16 Roll of mats. Made by Dusuns.

17—19 Cooking pots. Made by Dusuns.

20 Ornamental basket and cover. Made by Dusuns from the leaves of the Nipah palm.

21 Basket. Made by Dusuns.

22 Mats. Ornamented with open work.—*Natuwas Islands*.

23 Mats.—*Brunei*.

24 Hand-loom. With sarong in course of manufacture.—*Brunei*.

25 Sarong.—*Brunei*.

26 Two gold ear ornaments. 27 Ring. 28 Button. Worn by the women of Brunei.—*Brunei*.

29 Ornaments. Embroidery for the ends of pillows.—*Labuan*.

AGRICULTURAL IMPLEMENTS.

1 Plough. 2 Harrow. Made and used by Dusuns.—*Mengatal (North-west Coast of Borneo)*.

NATURAL PRODUCTIONS.

1 Section of the trunk of the sago plant. Abundant on all the N.W. coast of Borneo.—*Mengatal*.

2 Coal. Specimen from the outcrop in the bed of a stream; 2 veins 18 ft. apart and nearly 3 ft. thick.—*Head of the Harbour of Labuan*.

3 Coal. From a vein from 12 ft. to 15 ft. in thickness.—*Tanjong Kubong*.

4 Tobacco. Grown and prepared by the natives of the N.W. coast.—*Mengatal*.

5 Coal. From a very thick vein.—*Mount Pisang (south of the Brunei River)*.

6 Coal. Vein about 10 ft. thick.—*From bed of the Kiang-guy River*.

North-west Coast of Borneo.

- 7 Coontobouc.
8 Kayu Garu. Emits a fragrance, and is burned as incense.
9 Kulit Lawan. Clove bark.
10 Kayu Lakkar. 11 Kerts Ambuk. Burned as incense.
12 Benkita-barrung. Produces a dark purple or black dye.
13 Tortoiseshell.—*Labuan and North-west Coast.*

North-west Coast of Borneo.

- 14 Pepper (black).
15 Cotton.
16 Native indigo plant.
17 Kappau paddi.
18 Kappau rice.
19 Sampangan paddi. Ripens in three months from the time of planting.
20 Sampangan rice.
21 Pasir paddi.
22 Pasir rice. All grown on the sides of hills.
23 Sambas biji paddi.
24 Adan paddi.
25 Jinjang paddi.
26 Radin paddi.
27 Jongko paddi.
28 Jongko rice.
29 Nipah salt. Made from the ashes of the Nipah palm: in extensive use amongst the natives of the Interior.
30 Treacle.
31 Vegetable tallow. Extracted from the nut of various species of Dipterocarpus.
32 Miniao Kapayang. Procured from the seeds of *Pangirun edule*.
33 Miniak Beribadak.
34 Miniak Langa.
35 Miniak Kambayo.
36 Miniak Kamiri. Almond-scented oil.
37 Miniak Krulin. Wood oil; extracted by heat from a species of Dipterocarpus.
38 Civet.
39 Seed pearls. Used as a medicine by the Chinese.
40 Miniak Kapur. Found very efficacious in cases of rheumatism.
41 Malacca canes.

LIST OF WOODS FROM LABUAN.

- 1 Kayu Aru; 2 Gabar Buto; 3 Kayu Malam; 4 Kayu Bencola; 5 Kayu Leda Karbau.—Average height about 60 ft., diameter 3 ft.
6 Kayu Oobah. About 40 ft., diameter 18 inches; bark used in dyeing dull red.
7 Kayu Tampul pyah. Fruit tree.
8 Kayu Palah palawan; 9 Kayu Petong.—30 ft. diam. 18 inches.
10 Laoh. Small.
11 Kayu Kandis Dahan. 30 ft by 2 ft. Fruit tree.
12 Plye.
13 Kalam Pappa. 30 ft. by 2 ft.
14 Tioro. 30 to 35 ft. by 3 ft.
15 Kayu Tobah tobah utan. 30 ft. by 3 ft.
16 Kayu Jamber. 30 ft. by 2 ft.
17 Kayu Karye. 20 ft. by 18 inches.
18 Kayu Badak utan. Fruit tree.
19 Kayu Taratang. 20 to 30 ft. by 2 ft.
20 Kayu Sarogan. 25 ft. by 1 ft.
21 Kayu Gading. 25 ft. to 30 ft. by 1 ft.
22 Kayu Nasi Nasi. 40 ft. by 2 ft.
23 Kayu Kapur Rangin. 90 to 100 ft. by 4 to 5 ft.

- 24 Kayu Senang Awan. 90 to 120 ft. by 5 to 6 ft.
25 Kayu Rasak. 40 ft. by 2½ ft.
26 Kayu Kruing. 70 ft. by 3 ft.
27 Kayu Kruing Utan. 40 ft. by 2½ ft.
28 Kayu Kapur. 90 to 120 ft. by 5 ft.
29 Kayu Samuck. 30 ft. by 2 ft. Used in dyeing.
30 Kayu Rangas. 30 ft. by 18 inches. Used in common furniture.
31 Kayu Arroo. 30 ft. by 2 ft.
32 Kayu Plye (root of).
33 Kayu Urat Maia. 90 ft. to 100 ft. by 3 to 4 ft.
34 Kayu Impas. 40 ft. by 2½ feet.
35 Kayu Bidarru 30 ft. by 18 inches. Scented wood.
36 Kayu Kamuning. 6 inches in diameter.
37 Kayu Arang. Grows to a large size on the mainland of Borneo.
38 Kayu Liman Liman. 6 inches diameter.
39—41 Names unknown.
42 Kayu Jampaloro, or Jati China. 60 ft. by 18 inches.
43 Kayu Sampilow. 60 ft. by 20 inches.
44 Kayu Senang Annun bukit. 90 ft. by 4 ft. An oil is expressed from the fruit.
45 Kayu Benatore bukit. 70 ft. by 3 ft.
46 Salama; 47 Madang sisik.—50 ft. by 2½ feet.
48 Kalim pupa tandok. 12 to 15 ft. by 18 inches.
49 Dadarru; 50 Madang lada.—30 ft. by 2 ft.
51 Saryeah. 50 ft. by 3 ft.
52 Nibong benar; 53 Nibong sabarani.—90 ft. A species of palm.

SECOND SUPPLEMENTARY COLLECTION.

- 1 Anklonga, or musical bamboo.—*Java*.
2, 3 Native drums; 4 Instrument for cleaning cotton.—*Java*.
5 Instrument for cleaning cotton.—*Celebes*.
6 Conical hats; 7 Window blinds; 8 Sieve; 9 Sandals; 10 Gilt baskets for carrying marriage presents; 11 Flutes; 12 Ladles; 13 Hand-basket; 14 Mats; 15 Cloths and cotton twist; 16 Varnished basket.—*Java*.
17 Straw basket; 18 Betel stand; 19—21 Baskets; 22 Hunting cap; 23, 24 Straw hats; 25 Rice plates; 26 Concomit boxes; 27 Work basket; 28 Basket.—*Celebes*.
29 Basket.—*Java*.
30 Conical hats; 31 Japanned boxes.—*Palembang*.
32 Bugis cap.—*Celebes*.
33 Enamelled paddle; 34—36 Enamelled boxes.—*Palembang*.
37 Large gong; 38 Water-coolers; 39 Brass betel stand; 40 Brass candlestick; 41 Tea-kettle; 42 Lotabs; 43 Carpenter's tools; 44 Water-cooler; 45—48 Specimens of pottery.—*Java*.
49 Set of trays; 50—52 Japanned boxes; 53, 54 Japanned stands.—*Palembang*.
55 Fishing net.—*Java*.
56 Betel box.—*Macassar*.
Tournament saddle and accoutrements.

BOX OF SAMPLES:—

- Edible bird's nest.—*Bram*.
Edible bird's nest (white and black).—*Borneo*.
Specimen of raw silk, gum benjamin, and gamboge.—*Siam*.
Cigar cases.—*Java*.
Ear ornaments of tiger's teeth.—*Borneo*.
A gamalang, or complete set of Javanese musical instruments.

JERSEY AND GUERNSEY.

AVENUE I, AREAS 29, 30.

Commissioner—Captain W. WALBRAKE CHILDERS, 16 Eaton Square, London, and Terrace House, St. Heller.

1 WHITE, H. C. P.G.S. Regent Road.—Geological specimens of the granites of Jersey.

3 SKEGNAERT, H. J. First Tower, Inv. and Manu.—Machine moving by the equilibrium of water and air. Boat moved by the same power. Clock, on the same principle.

4 BERLAND, —, Pomme d'Or.—A machine to stop railway carriages instantaneously.

6 LE MOTHE, H. St. Heller.—Diagrams to elucidate the method of tri-secting any angle. The exhibitor's invention.

6 CHEVALIER, J. Don St. Inv.—Model of a swinging beacon, for the prevention of ship-wrecks, by marking the situation of rocks. Not liable to be damaged, or carried away by sea or shipping.

7 GRELLIER, J. Bond Street.—Model of a life-boat.

8 FRITHAM, R. D. Queen Street.—Skeleton regulator.

9 DUPRE, W. H. Charing Cross, Inv.—Defiance wind guard, for the prevention of down-draught, or the descent of smoke in chimneys.—Patented. Another for the same use, but infallible in any situation.—Patent. Roof light of glass, in a zinc case.

10 LE FLAVIE, P. St. Clement Academy, Inv.—Oratory, for school use.

11 MESSZLOY, G. George Town.—Sets of tables, for instructing youth in reading.

12 WHITE, G. St. Mark School, Prop.—Class box and illustration board, to exhibit writing, &c. Door governor: to prevent violent shutting.—Intended for registration. Chimney-pot or ventilator: to prevent "down-draught." Registered. Illuminated clock: to show the hour after dark by light.—Intended for registration. Pump and blower, for the conveyance of water or air. Intended for registration.

13 BROHIER, H. New Street, Prop. — Specimens of Jersey knitting.

14 DE FAYE, T. Seale Street, Prop.—Twelve pairs of knit stockings.

15 VIBERT, S. St. Mary, Mann.—A pair of knit stockings.

16 MARIE, M. King St. Mann.—Richly knitted silk jacket.

17 SCARFE, G. Beresford St. Prop.—Chaise harness.

18 CARMALT, J. David Pl. Mann.—A pair of scissors and a knife, the two less than one grain in weight.

19 JOUHAUD, P. Peter St. Inv. and Manu.—Carriage-gun: takes readily to pieces, and can be used as a rifle, a fowling-piece, or a pistol; cannot be discharged by accident, having a secret spring; is richly embossed, and inlaid with gold and silver. The lock is of a peculiar construction; the stock is beautifully carved.

20 LE FEUVRE, G. C. Edward Pl. Mann.—Ceiffonnière, composed of oak, a portion the produce of the Island of Jersey.

21 STRAD, W. Hill St. Mann.—A piece of furniture, applicable as a celeret or font.

22 COLLIE, W. Belmont House.—Specimens of calotypes, done from life.

23 SAUNDERS, GEORGE, Bath St — A model in paper, representing Her Majesty landing at Victoria Pier, Jersey, 3rd September, 1846.

24 SIMON, Miss, Elizabeth Pl.—Basket-work, in paper; an heirloom from her progenitor, Madame Manger, in 1728.

25 CLUGAS, THOMAS, JUN.—Specimens of Guernsey granites.

26 MARTIN, PETER, St. Peter's Port. Prod.—Raw Silk, the produce of the Island of Guernsey. Arrowroot; fecula.

27 ALLBORN, EMANUEL, St. Peter's Port. Inv.—Model of a machine to determine the distance run by a ship, and at the same time to determine the ship's place on the chart.

28 HARRIS, P. G. Inv.—A corking machine.

29 MACDONALD, SOPHIA, Woodland. Inv. Des. and Manu.—Tulle dress, embroidered with groups of floss silk flowers, copied from natural flowers.

30 DORRIS, HARRIET; De Beauvoir, Des. & Inv.—Table-top, ornamented with shells found in the Island of Herm. Group of poultry.

31 HUTCHINSON, ELIZABETH, Queen's Road, Des. Inv. & Manu.—Vases, with shell flowers. Octagon table slabs in rosewood cases.

32 SARGENT, J. Victoria Road, Inv.—Model of a machine for welding chain-cable and other links.

33 ARNOLD, A. 11 Commercial Arcade, Mann.—Manufacture of iodine and hydriodate of potash. Specimens of the fuci and algae which grow abundantly on the north and west coasts of the island of Guernsey. Fused mass, constituting the ashes of these marine plants, and containing salts of soda, potash, lime, and magnesia. Iodine in the rough state. Iodine (commercial). Crystals of iodide of potassium, or hydriodate of potash. Residuary product, constituting the ashes of the fuci and algae after the iodine has been extracted, and containing the salts of potash, soda, lime, and magnesia, as chlorides and sulphates.

34 GOULD, T. Mann.—Salts, similar to those commonly called "Epsom."

35 DORRIS, D. Forest Rectory, Prop. — Original Guernsey frock. Frock of Guernsey wool. Drawers, men's and women's stockings, nightcaps, gloves, fishermen and labourer's cravats, and slippers.

36 LE BEIR, N. St. Peter's Port, Prop.—Guernsey farm-saddle. Mat and foot-stool of "han." Bullock's and horse's collar of "han." Coil of "han" rope. Shackles of "han." "Han," a hank of the raw material.

37 DOREY, D. St. Mary de Castro, Prop.—Guernsey osier crab-pot. Osier fish-basket. Large osier bait-pot. Small bait-pot.

CEYLON.

AVENUE I, AREA 32.

COLLECTION OF NATURAL PRODUCTIONS AND MANUFACTURES OF THE ISLAND OF CEYLON.

GREY, The Countess.—A gilt sprinkler under a shade from Ceylon.

ALBRECHT, GREENHILL & Co.—Cinnamon and Cinnamon-oil.

Rock crystal. Iron and common quartz. Amethyst. Garnet. Cinnamon stone. Harmotome. Hornblende. L'ypserthene. Common corundum.

Ruby. Chrysoberyl. Zircon. Mica. Adularia. Common felspar. Green felspar. Albite. Chlorite. Pinite. Black Tourmaline. Calc-spar. Bitterspar. Apatite. Fluor-spar. Chiastolite.

Iron pyrites; magnetic iron pyrites. Brown iron ore. Spathic iron ore. Magnetic iron ore. Titaniferous iron ore. Ironglance. Manganese. Molybdenglance.

Tin ore. Arseniate of nickel. Plumbago. Epistilbite. Gadolinite. Wolfram. Crichtonite. Ilmenite. Pyrochlore. Binnerite. Ceylonite. Cabook. Kaolin.

Cocoa-nuts, from the South and West Province. Rice, general. Arrow-root, from the South Province. Manioca,

from the West and South Province. Hill paddy, from the Central Province. Curugan, general. Maize, millet, and Tinne, from the South and Central Province.

Coffee, from the Central Province, chiefly. Cardamoms, from the Four Kories, Galle.

Cinnamon, from the Western Province.

Tobacco, from Jaffna, Negombo, Tangalle. Ginger and nutmegs from the Western Province. Yams and sweet potatoes, general. Talipot leaves, from the Central Province.

Cocoa-nut sugar, from Batticaloa; Palmyra sugar, from Jaffna; Cane sugar, from the Western Province.

Manioca flour, from the West and South Province. Arrow-root flour, from the Southern Province. Sage, from the Northern Province. Vinegar, general.

Cotton, native, Bourbon, and Sea Island; from Batticaloa and Jaffna.

Coir fibre, from the South and Western Province.

Gamboge and tamarinds, from the West and East Province. Areca nuts, from Four Kories. Copperah, from the East and West Province.

Timber, general. Clearing Nut, from the North-west and East Province.

Aloe fibre, cardamum plantain, and hibiscus fibre, from Kandy and Colombo.

Ivory and buffalo horns, from the North and East Province. Deer horns, from the Central and North Province.

Birds' nests, from Pasdoom Korie.

Honey and wax, from Biutenne.

Hides and hoofs, from Colombo.

Musk, from the Northern Province.

Chay, a root, or Indian Madder, from the Northern Province.

Jack and mallie, or halmalle woods, general.

Sappan wood, from the West, South, and East Provinces.

Turmeric and myrobolans, from the East Coast. Pearls, Argeo.

Chalks, from the Northern Province. Jaffna moss, from Calpentyn.

Spongies and couries, from Jaffna and Trincomalee.

Salt, from Chelaw and Hambautotte.

Beche de mer, or sea snail, a radiated animal of the Holothuria tribe, from the Northern Province.

Oils: cocoa nut, cinnamon, clove, citron, lemon grass, and cajeputi, from Colombo, Galle. Margosa oil, from Kandy. Croton and castor oils, from Colombo. Kekuna and gingly oils, from Kandy. Citronella, meemel, and spearmint oils, from Galle. Moe oil, from Colombo.

Models of carriages and palanquins, from Colombo.

Chekoos from the Western Province.

Looms; medical stills, from the North, North-west, and South Provinces.

Forges; smelting furnaces, from the Central and South Provinces.

Models of boats; guns; weapons, general, Kandy, &c.

Agricultural tools.

Cotton fabrics, plain and dyed, from the North, East, and South Provinces.

Cotton painted fabrics, from Kandy.

Lace, from Galle.

Cutlery, general.

Gold and silver ornaments, from Kandy, Jaffna, Galle, &c. Crockery, plain, and painted; and four toms, from Kandy and Matura.

Matting, from Kandy and Caltura.

Coir cordage, from the Southern Provinces. Coir webbing and bagging, from the Southern and Northern Provinces.

Aloe bagging, from Kandy. Hibiscus bagging, and cordage. Sansera bagging, from Colombo.

Tortoiseshell and Cank ornaments, from Kandy, Matura, and Galle.

Fishing lines and nets.

Baskets and boxes; quill, deer horn, buffalo horn, and straw, from Caltura and Galle.

Kandy painted baskets and boxes; umbrellas; punkahs, from Kandy.

Ornamented olas soap, from Kandy and Matura, Galle.

Carved work, ebony, from Galle and Caltura; ivory, from Four Kories; woods, from Galle and Caltura; stool, from the Central Provinces; cocoa-nut shells, from Galle; and egg shells, Kandy.

Models of Temples, from Colombo.

IONIAN ISLANDS.

AVENUE I., AREA 30.

WOODROOF, Lady.—A Greek dress, made in Corfu. A pair of silver-bracelets, made in Corfu; the one with the motto "ΖΗΙΤΟ ΔΔΟΑΟΝ ΕΙΛΙΑΝ." "My pressure is that of friendship without guile;" the other, "Ο ΕΞΡΟΝ ΑΓΑΙΗΝ." "He who feels affection" (offers it to you).

A silver brooch of elegant pierced work, formed by a garland of grapes and vine-leaves, surrounding the emblem of the Seven Islands.

A brooch in silver filigree-work, with the head of Corcyra on the one side, for Corfu; the winged horse of Bellerophon on the reverse, for Zante.

A Greek cap, made at Lefchimo, a village of Corfu.

Memorial clasp in gold, made at Corfu, and of remarkable workmanship; the gold filigree being placed on a plate of polished gold, which reflects it as from a mirror.

MARROLIANNI, Madame.—A gold bracelet, made at Corfu, of filigree-work, surrounding the emblem of the islands.

Two silk handkerchiefs, of fine fabric, of Zante manufacture.

An apron of muslin, made in Corfu, with a border worked on linen with the needle; somewhat similar to Dresden-work, but of larger stitch, on a very elegant and classical pattern, of grapes, vine-leaves, and butterflies.

An apron of crochet-work, remarkable for the beauty of the pattern and execution, and showing that what has but recently appeared in England as an accomplishment has been for ages the common needlework of the Ionian peasant-girls. The border is of deep Dresden-work, of magnificent effect, with emblematical designs of lions, cupids, flowers, &c.

These aprons are the ordinary work and every-day wear of the peasant-girls of Corfu. The dress of the Greek peasant women, in general, being of an extraordinary richness, so that a peasant-bride's dress is often her dowry, being not unfrequently worth 400 or 500 dollars.

MARROLIANNI, —.—Samples of Cephalonia currants. The island of Cephalonia, though not so rich in currants as Zante, nevertheless supplies a great part of the quantity consumed in Great Britain.

Olive-oil, the growth of Corfu.

FITZROY, Lord C.—Three Zante silk scarfs.

A Zante handkerchief.

Articles exhibited by Lord SEARON:—

- 1 Specimen of Cephalonian stone.
- 2 Three specimens of olive wood.
- 3 Two large specimens of raw silk.
- 4 Six small specimens of raw silk.
- 5 Five Zante scarfs.
- 6 Embroidered gold bag, from Santa Maria.

- 7 Gold embroidered handkerchief, from Santa Maria.
- 8 Large, and two small, embroidered bags, from Corfu.
- 9 Four specimens of samples, worked by Greek girls.
- 10 Gold bracelet, made after the model of an ancient one found in a tomb.
- 11 Silver-gilt bracelet.
- 12 Silver seal
- 13 Ten silver bracelets.
- 14 Three gold rings.
- 15 Two silver brooches.
- 16 Small pocket-book, Corfu work.

MALTA.

AVENUE L, AREA 31.

- 1 **TORSA, J.** Strada Fornì, Valletta, Mann.—Double-bass saddle, made of bird's-eye maple.
- 2 **REXAVIA, C.** Casal Navaro.—Cotton sail cloth: One piece of four threads of 70 canes; one piece of five threads, containing 69 canes; one piece of six threads, containing 70 canes; one piece of seven threads, containing 70 canes. Chequered cotton cloth for carpeting: One piece of seven canes; two pieces of ten canes.
- 3 **SCHENERI, G.** Valletta, Mann.—Cotton tissues: Pieces of natural Malta nankeen, white, narrow, and wide squares. Piece of light colour, and damasked square.
- 4 **PALIS, G.** Montebello.—Cotton tissues: Natural nankeen, plain; striped, with Malta raw silk; and superfine plain nankeen. Sample of common Maltese cotton. Common Maltese nankeen cotton Indian nankeen cotton. Sea-land cotton. Mastodon American cotton. Sample of cummin seed. Anised. Sesame seed. Sample of Maltese hard wheat: (called tomanà). Soft wheat. Samples of cotton thread, from four kinds of cotton. Cotton thread, from common Maltese cotton. Maltese cotton. Sample of Maltese silk and cocoons.
- 5 **VELLA, F.** Stradi Mercanti, Valletta, Mann.—Cotton fabrics: White and red blankets; figured counterpanes. An assortment of straw hats.
- 6 **FENECH, V.** Floriana.—Specimens of Maltese book-binding. Collection of ancient and modern costumes of Malta.
- 7 **GRAYAGNA, MARIA,** Valletta.—Several pieces of broad lace.
- 8 **NAUDI, ROSINA.**—Velvet bags, embroidered; plain embroidered muslin dress; plain embroidered baby's dress. Toilet-cover (lace, Greek style). Embroidered handkerchief. Various specimens of lace and mittens.
- 9 **ENRIQUIS, MARIA.**—Variety of black silk mittens. Habit-shirts, plain embroidered.
- 10 **SCHENERI, ANTONIA.**—Specimens of lace with gold thread. Collars. Two lace collars.
- 11 **GOZO, SALVO DEL.**—Specimens of black silk lace.
- 12 **CASIA, COSAREL.**—Piece of lace of Greek pattern.
- 13 **POLITO, CASIMIRO.**—Specimen of lace (Greek pattern).
- 14 **CAMILLERI, E.**—Specimen of broad lace, with pieces for sleeves for a clerical dress. Various specimens of lace.
- 15 **VELLA, PAOLO, & Co.**—Specimen of lace.
- 16 **CAMILLERI, FORTUNATA.**—Specimen of lace.
- 17 **GRECH, GIUSEPPINA.**—Baby's plain embroidered muslin dress.
- 18 **LAGRANTI, ELENA NUERO.**—Sample of embroidery with silks: Top of a pincushion.
- 19 **FRENECH, ANTONIA.**—Paper envelopes, embroidered with silk and gold.

- 20 **ARMOPARDI, J. M.**—Pair of mittens, with beads.
- 21 **DIMECH, Mrs.**—Various specimens of long and short mittens. Long mittens with beads. A breadth of black tulle, embroidered. Black lace. Flounces and breadth of broad lace. Numerous specimens of lace. Collar and two cuffs. Maltese nankeen dresses, embroidered with wool and silk. Two pieces of Maltese nankeen.
- 22 **THE CONSERVATORIO OF SAN GIUSEPPE.**—Knitted collars. Knitted fronts of habit-shirts. Specimens of knitted broad and narrow lace; knitted caps; knitted thread stockings.
- 23 **PORTELLI, A.** Strada Strella, Valletta.—Silver filigree reticulae.
- 24 **CSETEN, E.** Strada Fornì, Valletta, Mann.—Gold filigree: Bracelets; rose-chain bracelets; knot brooches. Double pin for hair. Rose chains. Flat and rose rings, &c. Silver filigree: Basin. Oval plates, with flowers. Round plates. Card-cases. Candlesticks. Tea-spoons. Cups. Wreath for the head. Bead bracelets. Pins. An arrow for the hair. Bouquet-holder brooches. Stars. Knot, tie, and shawl brooches. Rose chain, &c. Gold articles: Gold rose chain for waistcoat. Broad flat rings.
- 25 **FALSON, S.** Strada Reale, Valletta, Mann.—Gold articles: Maltese rose chain. Bracelets, with scales, cameo, coral, oriental cameo, &c. Brooches, with bunch of flowers, in the form of a knot, and with a rose and flowers. Chain, imitation of Venice work. Large-sized pins. Bracelet, lace pattern. Pair of hair-pins. Various pins, with coral, mosaic work, cameo, &c. Shirt-studs. Chain rings. Rose chain rings. Small rose chain necklaces, &c. Silver ornaments: Filigree flower-stands. Flower ornaments for the hair. Hair-pins. Plates and small cups. Bead bracelets; rose bracelets; and bracelets of Gothic pattern; rose chain bracelets. Breast-pins and chateilaines. Arrows for the hair. Large and small flowers. Shawl-pins and pincushions. Pins for necklaces, &c. Money-bag and card-cases. Bead buttons, various sizes. Butterflies of gold and silver. Pins in the form of a cornucopium. Small pins.
- 26 **DARMAH, J. & Sons,** Strada Levante, Valletta.—Inlaid marble table-top, 4 feet long, 3 feet broad. Inlaid marble table-top, 3 feet square. Inlaid marble table-top, with Etruscan vase in the centre, 2 feet 6 inches in diameter. Inlaid marble table-top, with the emblem of Carthage in the centre, 2 feet 2 inches in diameter. Pieces of Malta stone, oiled and prepared for pavement. Drip stone of Malta stone. Specimens of Malta and Gozo stone and stalactite. Vase, with pedestal of red Gozo marble. Wax and cloth figures.
- 27 **DECCABO, P. P.** Strada San Giovanni, Valletta, Sculp.—Very large jug, with pedestal, 7 feet in height, and 1 foot 11 inches in breadth. Large vases, 5 feet 2 inches in height, and 2 feet 10 inches in breadth. Jug, 1 foot 6 inches in height, and 1 foot 2 inches in breadth.
- 28 **DIMECH, F.** Strada Teatro, Valletta, Sculp.—Stone carvings: Candelabrum, 6 feet high, and 2 feet 8 inches in breadth. Large vase, 4 feet high, and 3 feet 9 inches in breadth.
- 29 **SOLER, J.** (Foreman to Mr. G. MUIR), Strada Reale, Valletta, Sculp.—Stone carvings: Vase with handles, 1 foot 8 inches high, 2 feet 10 inches broad. Jug, adorned with vine-leaves, 2 feet 3 inches in height, 1 foot 2 inches wide. Oval vase, 1 foot 4 inches in width. Small basket.
- 30 **TESTA, S.** Strada San Giovanni, Valletta, Sculp.—Vase, with satyrs and flowers, 4 feet 8 inches in height, and 2 feet 9 inches in breadth. Vase, with eagles, 1 foot 9 inches high, and 1 foot 3 inches broad.
- 31 **BORTAGNO, M.** Birehircara.—Manufactures in straw: Straw mats, hats, caps, and samples of straw plaits.

Waterproof hats: two oil-skin pliable hats; two oil-skin strong hats.

32 GERADA, A. & DAUGHTERS, Strada Mercanti, Valletta.—Basket of artificial flowers, with shells.

33 TRETA, F. Strada Santa Lucia, Valletta, Sculp.—Vase of antique form, with satyra, wreaths of flowers and vine-leaves, 5 feet 4 inches in height, and 2 feet 4 inches in breadth. Vase of antique form, with vine-leaves, 4 feet in height, and 1 foot 9 inches in breadth. Common vase, 1 foot 6 inches high, and 1 foot 4 inches broad.

34 THE CAPOINICO POLITO, Vittoriosa, Mann.—Figures in wax: The grand master Valletta; the grand master Lonsadari; knight of the order of Malta; grand master in warlike costume.

CAPE OF GOOD HOPE.

AVENUE M., AREA 30.

1 MAITLAND MINES.—Lead ore, from Port Elizabeth. Iron ore, from Uitenhage. Graphite, from Cape Town. Coral, from Caledon. Oyster shells, from Uitenhage.

2 DE VILLIERS, L. Z. P. I. Paarl.—Argol white and red.

3 THALWITZER, M. Cape Town.—Medicinal plants and drugs; "klipswort." Bark for tanning. Tamboukise wood.

4 TEPPE, H. Swellendam.—Medicinal plants and drugs. Mustard seed, and walnut oil.

5 BAYLEY, J. B. Caledon.—Preserved fruits; gold of pleasure.

6 VOLSTEEDT, J. P. Caledon.—Samples of maize.

7 PAARDERBERG, J. S. C. Malmesbury.—Samples of honey.

8 TRUTOR, H. A. O. Cape Town and Caledon.—Flour. Ostrich eggs.

9 REITZ, BREDA, JOUBERT, & Co. Swellendam.—Samples of wool.

10 BOTANIC GARDEN, Cape Town.—Samples of cotton.

11 MANUEL, C. Cape Town.—Samples of cotton.

12 SCHMIETZLOEW, C. Cape Town.—Feather tippet. Sea elephant oil.

13 CLARENCE, RICHARD, Cape Town.—Sea elephant oil; sheep's tail oil.

14 KUNHARDT & Co. Cape Town.—Sheep's tail oil.

15 THOMSON, G. Cape Town.—Sea-cow teeth.

16 MEKKER, F. Cape Town.—Ox horns, polished and rough.

17 WATERMEYER, C. Green Point.—Specimens of hemp (aloe).

18 BLACKBURN, J. Cape Town.—Karooses. Specimens of wild cats and jackals' paws.

19 DRAWE & JOHNSON, Cape Town.—Karooses, or cloaks, such as are worn by the Kafirs, made of the skins of wild animals.

20 HANBURY, E. Cape Town.—Skins of wild animals.

21 BRIDGES, C. Cape Town.—Skins of wild animals. Kafir chair, battle-axe, hoe, &c.

22 CHIAPPINI, A. & Co. Cape Town.—Skins of wild animals. Twelve goat skins, weighing 25 lbs. each.

23 RUTHERFORD, H. E. Cape Town.—Specimens of wheat. Ostrich feathers.

24 BRIDGES, C. Cape Town.—Stone box.

25 MORAVIAN MISSIONARY INSTITUTION, Genadendal.—Manufactured olive wood.

26 WOODMAN, J. C. Cape Town.—Manufactured olive wood. A cabinet, composed of seven species of wood, and of stinkwood.

27 THALWITZER, M. Cape Town.—Curiosities; bows and arrows; Bushman's blanket.

28 HANBURY, E. J. Cape Town.—Rhinoceros horn sticks and whips.

29 MOAG, W. Cape Town.—Kafir warrior's head-dress.

30 FOORD, R. Cape Town.—Model in clay.

SOUTH AFRICAN PRODUCTIONS, forwarded by the AGRICULTURAL SOCIETY OF THE CAPE OF GOOD HOPE.

31 REITZ, BREDA, & Co.—Samples of fine wool.

32 BREDA, D. J. VAN.—Samples of fine wool.

33 MANUEL, C.—Samples of Natal cotton.

34 PRINCE, COLLISON, & Co.—A barrel of fine flour.

35 VOLSTEEDT, J. P.—Preserved fruits.

36 MOSS, N. Cigars and kanaster tobacco.

37 SEARIGHT, J.—Two tins Malagas guano.

38 SMITHERS, J.—Tallow and soap.

39 SCHLUSSELER, H.—Cask of salt beef.

40 MARTIN, W.—Cask of salt pork.

41 MOMBO, T.—A roll of sole leather.

42 SCHMIETZLOEW, C.—A tippet made from the feathers of various Cape birds. Samples of sole leather.

43 MISSIONARY STATION, GROENKLOOF.—Quince walking-sticks, stained; riding whip, stained; and olive wood work-box.

44 MISSIONARY STATION at GENADENDAL.—Double chopping knife, bread cutting and hunting knives, vine cutter, pocket knives, and boeschlemmer knife. Box composed of thirty specimens of various woods, in the rough and polished state; olive wood box.

45 LIJNDENBERG, J.—Specimen of berry wax; specimens of bees'-wax.

46 BARR, S. A.—Sack of wheat.

47 DUMBLETON, H.—Box, containing forty-three specimens of Cape woods, in the bark, rough and polished.

48 SCHEUBEL, J. H. & Co.—Specimens of medicinal herbs and drugs.

49 SEFFE, H.—Impure carbonate of soda, prepared from gunna ashes.

50 PASE, A. DE.—Samples of guano.

51 WATERMEYER, C.—Orcidilla weed.

52 SOUBERT, J. G.—Honey.

53 BUCHANAN & LAW.—An elephant's tusk, weighing 103 lbs. another weighing 97 lbs.

54 CLARENCE, R.—Dried fruits, viz: Almonds, peaches, raisins, apricots, pears, currants, and walnuts.

55 CALF, J.—Specimens of plumbago, Fuller's-earth, &c. Box of oyster shells.

56 GREG, G. & Co.—Specimens of iron-ore.

57 A library chair, presented to C. B. Aulderley, Esq. M.P. by the inhabitants of the Eastern province of the colony of the Cape of Good Hope. Designed and carved by J. Hart, of Graham's Town.

SUTHERLAND, J. Agent to Steam Twist Niet Mills. —Wheat flour manufactured by Mr. J. F. Fredericksen, of the Twist Niet Steam Mills, Cape Town.

CROUCH, —.—A package containing contents not known.

AFRICA.

AVENUE M., AREA 32.

WARWICK, WESTON, 73 Gracechurch St. Imp.—1 Teak timber or African oak, for ship building, &c. 2 Iron stone. 3 Cotton, with the seed. 4 Cotton cleaned without the seed. 5 Palm oil. 6, 7 Bennie seed and ground nuts, from which oil is extracted. 8 Arrow-root. 9 The root of arrow-root. 10 Shea butter. 11 Ginger. 12 Coffee. 13 Pod pepper. 14 Cayenne pepper. 15 Gum copal. 16 African

mats and small baskets made there from dried grass.
17 African country cloths made there from their own cotton. All the produce of the Western Coast of Africa.

Messrs. FOSBURN & SMITH.—Zobes, or cotton robes, from Sierra Leone. Pagnes, or cotton cloths, from Gambia. Knife from Gambia. Grass cloth from Sierra Leone. Table mats from Gambia. Leather pouch, containing MS. extracts from the Koran. Leather pouches worn as charms in Gambia. Asiantee glass armlets; the glass obtained by melting European beads.

1 BUONNY, J. PERO, Cape Coast Castle, Gold Coast, West Africa.—A large silk-cotton horse-cloth, manufactured at Dahomey, Africa; worn by the king's favourite son.

2 ROZUZAR, Miss, 10 Stratford Pl. London.—Two large wrought-cotton counterpanes, manufactured in the Cape de Verd Islands. Three silk pangs, or mantles, manufactured in the island of San Nicolas, Cape de Verd Islands; worn by the ladies of the island.

3 Various articles of African growth and manufacture, all purchased and chiefly manufactured at Egga, on the right bank of the Niger; brought to England by Capt. H. D. Trotter, B.N.

1 Samia Aduga raw silk, can be had at Brini Cannatown, in the Hausa country.

2 Samia Adgu, manufactured at Kattam Karafi. Yellow dye is a species of arrow-root, grows wild in some places on the banks of the Niger, and also on the coast.

3 Specimen of raw cotton, grows spontaneously on the banks of the Niger, and often cultivated by the natives.

4 Lime, material made of bones burnt into ashes, mixed with water, and dried in the sun. Used by those who spin thread to keep their fingers dry.

5 Poisoned arrows, used by the Felatahs, or Fulas, as well as by the people of Yoruba.

6 Cotton thread, including white and blue.

7 Ropes made of native hemp.

8 Female country cloth, worn by the higher classes; manufactured at Yabotchy. The woollen that is woven with the cotton is of European manufacture.

9 Goat or sheep skin.

10 Female dresses of country cloth, worn by the higher classes; manufactured at Illojyn, Yoruba country, and at Moko, in the Hausa country.

11 Female fashionable dress of country cloth, worn by the higher classes; manufactured at Nikij or Bahuh, in the Yoruba country. The brown cotton is taken from the silk cotton tree, which grows on the Gold Coast, and most other parts of the west coast of Africa. The natives make their canoes by hollowing it to the required size. The green leaves just budding are very wholesome, and used as vegetables.

12 Female dresses of country cloth, manufactured at Selub, a town nine days' journey on foot from Nubba, a town on the left bank of the Niger.

13 Female dress of country cloth, generally worn, after it has been dyed, by the higher classes as a shawl; manufactured at Yabotchy.

14 Female dresses of country cloth, manufactured at Kikamij and in Yoruba country.

15 Female dresses of country cloth, worn by all classes, by young females of respectable birth, and by the higher classes; manufactured at Yabotchy and Yoruba.

16 Female dresses of country cloth, worn by the higher classes. The red silk only to be had at Brini Canu; sold by the Arabs.

17 A variety of other country cloths, worn by different classes; manufactured at Yoruba, Abuna, and Egga.

18 Full-size country cloth, worn by the respectable people, and also used as a counterpane; manufactured at Little Popo, in the Bights of Benyn. The red thread is of European manufacture.

19 Female head-bands, worn by the higher and lower classes; manufactured at Yabotchy and Egga.

20 Female fine dress head-band, worn by the higher class of people. The red silk brought by the Arabs through the desert from Tripoli into Hausa country, and amongst other towns to Brini or Brini Cann.

21 Female head-band; length 4 ft. 1 in. The brown cotton is taken from the silk cotton tree.

22 Fine and blue-glazed tobe, worn by the higher class. The manner in which the tobe is glazed is as follows:—After the cloth has been well dyed, it is taken out of the indigo dye, and hung up until it is thoroughly dry; then it is spread on a wooden roller, well rubbed with the shell of a snail as hard as the force of the wrist can bear, which gives the gloss.

23 Fine plain and dyed unbleached cotton tobe.

24 Fine dress striped tobe, worn by the higher class of people. The yellow colour is dyed at Kattam Karafi, a town on the left bank of the Niger, a short distance above its confluence with the Chadda. The red silk is brought by the Arabs into the Hausa country.

25 Fine checked short tobe, wove with raw silk, worn by the higher class of people.

26 Fine checked long tobe, and Hausa trousers, braided with red silk about the ankles, made after the Turkish fashion; worn by the higher class of people.

27 Strainer or sieve, made out of the slips of bamboo; manufactured at Brini Cann.

28 Small earthen cooking pot and cover, earthen dishes, and stands for lamps; used by the higher class of people.

29 Cushion. The red baize of European manufacture; the yellow skin dyed by the natives of Kattam Karafi.

30 Strings of fancy palm nut beads, made out of burnt kernels; worn round the waist and neck by respectable females.

31 Coloured basket, made out of bamboo; manufactured at Brini or Brini, in the Hausa country.

32 Basket to hold provisions, rice, corn, &c.

33 Calabash bowl; wooden bowl carved out of solid wood; and calabashes, various sizes. Used by both high and low class of people either to eat or drink out of.

All calabashes are made out of a good species of pumpkin, but not eatable; it has a bitter taste similar to that of quassia. The largest sizes are between twelve and thirty inches diameter. They are used to convey provisions from one place to another.

34 Wooden carved ladles or spoons.

35 Bag to hold corn or articles of commerce.

36 Netted bag, for exposing articles of commerce in the market-place.

4 Articles exhibited by J. O. McWILLIAM, M.D., F.R.S.

1 Shea butter (fat of the Bussia Parkia), from Egga, River Niger.

2 Camwood dye ball, from the confluence of Niger and Tchadda.

3 Bow and arrows, with iron barbs, from the Icarri market, River Niger.

4 Filatah spear, from Kukundrah.

5 Small musical instrument from Kukundrah, River Niger.

6 Cloth made at confluence of Niger and Tchadda.

7 Cloths from Egga and Kukundrah, River Niger.

8 Horn ornamented on silk, worn by the females at Iddah, River Niger.

9 Small leathern bottles, for galana to dye the eyelids. Confluence of Niger and Tchadda.

10 Tobe, embroidered in front with needlework; worn by the Mallams at Rabbah (Filatah-town), River Niger.

11 Breeches of the same.

12 Knitted and small scarfs from Egga.

- 13 Broad-brimmed straw-hat, from Kineo, or Icarl Market, River Niger.
 14 Earthenware, from Icarl Market, River Niger.
 15 Ropes of vegetable fibre, by which the Africans ascend the naked trunks of the palm trees.
 16 Calabash workmanship, comprehending a series of dishes of various kinds and sizes, and platter spoons, bottles, cups, &c.
 17 Pipe, from confluence of Niger and Tehadda.
 18 Staff of honour, carried before the African chiefs.

CANADA.

AVENUES M. N. O., AREAS 30, 31, 32.

- 2 FERRIER, Hon. J. Montreal.—Iron. Collection of minerals, and geological specimens.
 3 MANN, A. Montreal.—Samples of mineral water.
 4 COMMISSION, Montreal.—Samples of maple sugar, and double refined sugar.
 5 LEVY, J. Montreal.—Samples of snuff.
 6 GILLESPIE & Co. Montreal.—Vinegar, made from wood.
 7 LYMAN, H. Montreal.—Honey.
 8 NICOLSON, —. Montreal.—Barrel of beef.
 9 LEVY, J. Montreal.—Roll of tobacco.
 10 REINHARDT, G. Montreal.—Barrel of pork.
 11 LOGAN, J. Montreal.—Barrel of Fall wheat.
 12 IDLES, E. Montreal.—Pork; lard, &c.
 13 BALES, J. York.—Double refined sugar.
 14 PARKER, J. Hatley.—Maple sugar.
 15 FISHER, A. Ascott.—Maple sugar.
 16 FLETCHER, J. Montreal.—Malden hair syrup; and raspberry vinegar.
 17 BRIDGEMAN & SHIPTON, St. Hilaire.—Preserved potatoes and potato starch. Preserved potatoes, for ships' stores, especially for long voyages.
 18 MUIR, A. Hinchinbrooke.—Barrel of oats.
 19 WATTS, R. M. Grantham.—Barrel of oats.
 20 LA MERE, Madame, Montreal.—Barrel of beans.
 21 FISHER, J. River de Prairie.—Barrel of horse-beans.
 22 BRIEN, J. St. Martin's.—Barrel of yellow beans.
 23 GRAHAM, J. Sydney.—Barrel of Fall wheat.
 24 PROVINCIAL AGRICULTURAL ASSOCIATION, C. W.—Barrel of Fall wheat.
 25 TRENHOLM, E. Knisey, E. J.—Barrel of buckwheat flour.
 26 CANIFF, J. & J. Thurlow.—Barrel of buckwheat flour.
 27 SQUALI, E. Bowmanville.—Sample of oatmeal.
 28 SIMPSON, J. & Co.—Bowmanville.—Samples of flour.
 29 LINGHAM, T. Thurlow.—Samples of flour.
 30 TAYLOR, C. V. Thurlow.—Barrel of flour.
 31 TRENHOLM, E. E. J. Barrel of Indian meal.
 32 FRENDEGAST, J.—Samples of starch.
 33 SMITH, A. Stanstead.—Bale of hops.
 34 PENNER, J. Lachine.—Bale of hops.
 35 ALLEN, J. Long Point.—Samples of wheat.
 36 BOA, W. St. Laurent.—Barrel of peas.
 37 WHEAT, W. F. Ameliasburgh.—Spring wheat.
 38 DESJARDINS, P. Terrebonne.—Spring wheat.
 39 BOA, W. St. Laurent.—Barrel of barley.
 40 LAURENT, D. Varennes.—Spring wheat.
 41 DRUMMOND, J. Petite Cote.—Spring wheat.
 42 FILLMORE, G.—Barrel of oats.
 43 MUIR, A. Hinchinbrooke.—Barrel of oats.
 44 WATTS, R. N. Grantham.—Barrel of oats.
 45 LA MERE, Madame, Montreal.—Barrel of beans.
 46 LINDGREN, D. Terrebonne.—Barrel of peas.
 47 TOWNIER, Longueuil.—Barrel of beans.
 48 JONES, D. Sydney.—Barrel of peas.
 49 PROVINCIAL AGRICULTURAL ASSOCIATION, C. W.—Fall wheat.
 50 DESJARDINS, P. St. Rose.—Barrel of buckwheat.
 51 LOGAN, J. Montreal.—Corn in the ear.
 52 SHAW, A. Toronto.—Corn in the ear.
 53 RICHIE, A. St. Laurent.—Indian meal; ship-biscuit; crackers; Bologna sausages; Fletcher's candy; smoked hams; beef tongues, &c.
 54 COMMISSION, Montreal.—Planks and blocks of wood of various kinds.
 55 ALLO, Montreal.—Tanning materials.
 56 DAVIS, J. Simco, C. W.—Walnut plank.
 57 GRICE, F. Montreal.—Hemp and seed.
 58 PARREAU, J. St. Martin.—Beer-wax.
 59 EGAN, J. Ottawa.—Plank of bird's-eye maple (*Acer saccharinum*).
 60 REED & MEAKINS, Montreal.—Planks of birch, cherry, pine, and butternut.
 61 PARREAU, J. St. Martin.—Planks of chestnut and soft maple.
 62 THOMPSON, T. Three Rivers.—Pair moose horns (*Alces Americana*).
 63 BASTIEN, M. St. Rose.—Samples of flax.
 64 MACFARLAND, —. Cote des Neiges.—Samples of glue.
 65 DESJARDINS, —. St. Rose.—Barrel of flax-seed.
 66 FISHER, J. River de Prire.—Siberian oil-seed.
 67 USARDEAN, —. St. Anne.—Timothy seed (*Phleum pratense*).
 68 M'GINN, —. Montreal.—Timothy seed.
 69 JEFFRIES, J. Bandon.—Red clover seed; garden seeds.
 70 O'MEARA, M. Montreal.—Double sleigh.
 71 M'LEAN & Wright, Montreal.—Single sleigh, pole and shafts.
 72 LADD, C. V. Montreal.—Patent balance-scale to weigh 20 cwt.
 73 PERRY, J. Montreal.—Copying press.
 74 BONIER, P. St. Hyacinthe.—Model locomotive steam-engine, gang, &c.; single sleigh; light carriage, carriage-wheels.
 75 LEWIS, R. Melbourne.—Two model bridges.
 76 COMMISSION, Montreal.—Ship-building crooks and futtocks; bark canoes.
 77 BOYD, T. J. Montreal.—Cut rifle gun.
 78 ASHFIELD, J. Toronto.—Cut rifle gun.
 79 ALLO, J. Montreal.—Model cannon.
 80 CLARK, J. Montreal.—Ship-blocks.
 81 ALLO, J. Montreal.—Shot-bag and rammer; military helmet.
 82 LADD, C. V. Montreal.—Grist-mill.
 83 FLECK, A. Montreal.—Light plough.
 84 BRAINERD, O. K. Hamilton.—Common brooms.
 85 NELSON & BUTTERS, Montreal.—Common brooms and whips.
 86 WHEAT, W. F. Ameliasburgh.—A churn.
 87 FRESKOTT, S. H.—A plough.
 88 SKINNER & M'COLLOCH, Breckville.—Hay and manure forks; scythe snaths.
 89 GLASSFORD, SKINNER & M'COLLOCH, Breckville.—Grain-cradles. Theodolite stand. Specimens of dentistry.
 90 SIMPSON, T. B.—Theodolite.
 91 HIGGINS, P.—Violin and case, clarinet, and piccolo piano.
 92 HERBERT, J. W. Montreal.—Pianoforte. Blankets.
 93 BRANDE, S.—Woolen counterpane.

- 94 DIXON, F. Toronto.—Woollen counterpane.
 95 GANVILLE, W. Milton Mills.—Horse-blanket.
 96 WILLIETT, C.—Package of grey cloth.
 97 MCKAY & Co. New Edinburgh.—Packages of grey cloth; dark and brown satinette; silk sash.
 98 BEARD, S.—Table-cloths.
 99 HENDERSON, —, Quebec.—Coils of rope.
 100 SPOONER, A. Montreal.—Box of twine, assorted.
 101 DIXON, T. Toronto.—Specimens of cordage.
 102 ALLO, J. Montreal.—Calf upper and harness leather.
 103 MCKLEIV & CUMMING, Chippewa.—Sides of sole leather.
 104 MURRAY, H. Montreal.—Calf skins and sides of upper leather.
 105 MORRIS, R. Montreal.—Set of double carriage harness.
 106 M'GIVAN & SULLIVAN, Hamilton.—Hunting saddle.
 107 TRONATHASSEN, P. Quebec.—Moose skin.
 108 TOURANGEARD, P.—Tanned moose skin.
 109 THERIEMOND, —, Toronto.—Whips, various.
 110 HOLWELL, —, Quebec.—Duplex safety rein.
 111 DEAN, —, Montreal, Patent leather trunk.
 112 BELL, P. W. St. Catherine's.—Indian saddle; travelling trunk; bear, wolf, and fox skins; sleigh robes; one set of single harness.
 113 DAFLAMME, M. A. Montreal.—Oil-cloth patterns; floor and table oil-cloth.
 114 GANVILLE, W. Milton Mills.—Samples of carpeting.
 115 BARBER, —, Bequing.—Samples of Carpeting.
 116 HENDERSON, —, Montreal.—Embroidered tablecloth.
 117 ONDAQABOUT, P.—Snow shoes and mocassins.
 118 BELL, P. W. St. Catherine's.—Indian dress, viz., coat, pair leggings, cap, gun cases, knife case, bracelet, and pair of small belts.
 119 HENDERSON, —, Montreal.—Embroidered slippers; shoe last; suit of clothes, *cloffs de pays*; straw hats; Indian dress.
 120 WALLACE, A. Montreal.—Bench and moulding planes.
 121 LADD, C. F., Montreal.—Chopping axes.
 122 SCOTT & GLASFORD, Montreal.—Chopping axe.
 123 SHAW, S. Toronto.—Chopping and other axes, and tools.
 124 LEAVITT, G. Dundas.—Chopping and board axes.
 125 CHENEY, G. H. Toronto.—Parlour stove.
 126 RICE, W. W. Montreal.—Wire cloth.
 127 CHENEY, G. H. Toronto.—Copper furniture for stove.
 128 FERGUSON, W. Montreal.—Flexible branch pipe.
 129 FERGUSON, W. Montreal.—Flexible branch pipe.
 130 CHENEY, G. H. Toronto.—Cooking stove.
 131 HOLLAND & DUNN.—Cut nails.
 132 HENDERSON, —, Montreal.—Case of pipes assorted.
 133 MOLSON, G. E. Montreal.—Church bell.
 134 CHENEY, G. H., Toronto.—Iron plate; case of types.
 135 REED & MARIN, Montreal.—Chairs, chiffoinière, and sofa.
 136 MORRIS, J. Montreal.—Walnut bedstead.
 137 RAMSAY & McARTHUR, Montreal.—Painted mahogany table; imitation oak table; marble table.
 138 HAMMOND, R. Montreal.—Stone centre table.
 139 DUNN, W. Quebec.—Embroidered chairs.
 140 REDHEAD, T. Montreal.—Black walnut office and drawing-room chairs.
 141 COMMISSION, Montreal.—Ornamental stool, moose feet. Spring-back sofa. Walnut centre tables. Walnut table. Spring-back sewing-chair, *tête-à-tête*. Chiffoinière. Sofa. Rocking-chair. Ordinary chairs.
 142 COMMISSION, Montreal.—Wooden snow shovels. Specimens of maple, oak, and black walnut veneer.
 143 WHEELER, T. Toronto.—Brushes.
 144 PARKES, BROTHERS, Toronto.—Specimens of turning.
 145 BAILEY, J. Sherbrooke.—Pails.
 146 DODD, R. Ayr.—A tub.
 147 HENDERSON, —, Montreal.—Cigar cases, pursers, and fan.
 148 ROCHELLELAND, HELES, Three Rivers.—Bark-box, and fan.
 149 CAMPBELL, MAJOR, St. Hilaire.—Bark tray, and box. Soap. Indian curiosities.
 150 MONTREAL, Madame, Mont.—real. City arms.
 151 WHEELER, T. Toronto.—Leather medal and die.
 152 MATTHEWS, G. Montreal.—Lithotype.
 153 FLEMING, S. Toronto.—Lithographic drawing.
 154 DUNGAN, J. Montreal.—Designs for coinage. Ornamental printing.
 155 LOGAN, W. E., Montreal.—Specimens of magnetic specular and bog iron ore, and other minerals.
 156 WILSON, Dr. J. Perth.—Magnetic iron ore, from South Sherbrooke. Phosphate of lime, from Burgess. Dolomite, from Dalhousie. Serpentine, from Burgess. Perthite, peristerite, and graphic granite, from Bathurst.
 157 DICKSON, Mr. Sheriff, A. Pakenham.—Specular iron ore from Macnab.
 158 MARMORA IRON COMPANY, Marmora.—Pig-iron, smelted at their furnace, from the magnetic ore of the township.
 159 FERRIER, Hon. J. Montreal.—Specimens of iron, bog-iron ore, and refractory sandstone.
 160 LANCASTER, —, Vaudreuil.—Specimens of bog-iron ore, and phosphate of iron.
 161 PROULX, J. St. Eustache.—Specimens of bog-iron ore, from Rivière du Chêne.
 162 MARCOTTE, F. Portneuf.—Specimens of bog-iron ore.
 163 MORIN, Capt. St. Vallier.—Specimens of bog-iron ore.
 164 MONTREAL MIXING COMPANY.—Copper ore, from Bruce mines, Lake Huron, and tough cake copper, smelted there from the same. Native copper and silver, from St. Ignace Island, Lake Superior.
 165 RADLEY, J. F. Montreal.—Silver ore, from Prince's Location, Lake Superior; and smelted silver from the same.
 166 CHAUDIERE Mining Company, Quebec.—Specimens of native gold.
 167 HARWOOD, Hon. —, Vaudreuil.—Specimens of black lead from Grenville.
 168 BOUDON & LEMRE, Vaudreuil.—Specimens of white quartzose sandstone.
 169 SEER, L. M. St. Eustache.—Specimens of iron ochre.
 170 LA BARRE, D. G., Point du Lac.—Specimens of iron ochre.
 171 HALL, J. Melbourne.—Specimens of iron ochre, and roofing slates.
 172 CARON, E. St. Ann, Montmorency.—Specimens of iron ochre.
 173 QUIGLEY, M. Frampton.—Specimens of slates.
 174 DUBINGER, G., Murray Bay.—Specimens of iron ochre.
 175 KELLY, R. W., Gaspé.—Specimens of iron ochre and shell marl.
 176 YFOMENS, A. Belleville.—Specimens of shell marl.
 177 DE LESDENNIERS, P. T. C. Vaudreuil.—Specimens of shell marl.
 178 BOSTON, Mr. Sheriff, Montreal.—Shell marl.
 179 BOUTILLIER, Dr. St. Hyacinthe.—Samples of peat.

- 180 CENTRAL COMMISSION, Montreal.—Specimen of double refined sugar.
- 181 BAKER, J. York.—Specimens of double refined sugar.
- 182 PARKER, J. Hatley.—Specimen of maple sugar.
- 183 FISHER, A. Ascott.—Specimen of maple sugar.
- 184 GRICE, F. Montreal.—Specimens of hemp and of seed.
- 185 LOGAN, J. Montreal.—Three bushels fall wheat.
- 186 MACCULLOCH, Dr. J. Montreal.—A fungus from the pine-tree, used in Canada as a bitter tonic.
- 187 ROAN, J. Ottawa.—Plank of bird's-eye maple.
- 188 REED & MEAKINS, Montreal.—Plank of birch.
- 189 REED & MEAKINS, Montreal.—Planks of birch, cherry, pine, and butternut.
- 190 PARRAULT, J. St. Martin.—Plank of chestnut.
- 191 PARRAULT, F. St. Martin.—Plank of soft maple.
- 192 ALLAN, J. Longpoint.—Barrel of wheat.
- 193 BOA, W. St. Laurent.—Barrel of peas.
- 194 WESSE, W. F. Ameliasburgh.—Barrel of spring wheat.
- 195 DESJARDINS, P. Terrebonne.—Barrel of spring wheat.
- 196 BOA, W. St. Laurent.—Barrel of barley.
- 197 LAURENT, D. Varennes.—Barrel of spring wheat.
- 198 DRUMMOND, J. Petite Cote.—Barrel of spring wheat.
- 199 TITTMORE, G.—Barrel of oats.
- 200 MUIR, A. Hinchinbrooke.—Barrel of oats.
- 201 WATTS, R. M. Grantham.—Barrel of oats.
- 202 LAMERE, Madame, Montreal.—Barrel of beans.
- 203 FISHER, J. River de Prairie.—Barrel of horse-beans.
- 204 BRIEN, J. St. Martin's.—Barrel of yellow beans.
- 205 PROVINCIAL AGRICULTURAL ASSOCIATION, Canada, W.—Barrel of fall wheat.
- 206 GRAHAM, J. Sydney.—Barrel of fall wheat.
- 207 LIMOGES, D. Terrebonne.—Barrel of peas.
- 208 FOURNIER, C. Longueuil.—Barrel of beans.
- 209 JONES, D. Sydney.—Barrel of peas.
- 210 PROVINCIAL AGRICULTURAL ASSOCIATION, Canada, W.—Barrel of fall wheat.
- 211 FERNHOLM, E. Kinsey, E. T.—Barrel of buckwheat flour.
- 212 CASHEFF, F. and T. Thurlow.—Barrel of buckwheat flour.
- 213 SOCAIR, R. Bowmanville.—Barrel of oatmeal.
- 214 SIMPSON, J. and Co. Bowmanville.—Barrel of flour.
- 215 LINGHAM, T. Thurlow.—Barrel of flour.
- 216 TALLEY, V. P. Thurlow.—Barrel of flour.
- 217 TRENHOLM, E. E. T.—Barrel of indian meal.
- 218 LEVET, J. Montreal.—Roll of tobacco.
- 219 BASTIEN, M. St. Rose.—Specimens of flax.
- 220 M'FARLANZ, A. Caté des Niegés.—Specimens of glue.
- 221 DESJARDINS, B. St. Rose.—Barrel of flax seed.
- 222 FISHER, J. River de Prairie.—Specimens of Siberian oil-seed.
- 223 DESJARDINS, P. St. Rose.—Barrel of buckwheat.
- 224 URARDEAU, S. St. Anne.—Barrel of timothy seed.
- 225 M'GINN, T. Montreal.—Barrel of timothy seed.
- 226 JEFFRIES, J. Baradon.—Specimens of red clover seed.
- 227 SHAW, A. Toronto.—Specimens of corn in the ear.
- 228 LOGAN, J. Montreal.—Specimens of corn in the ear.
- 229 RICHER, A. St. Laurent.—Barrel of Indian meal.
- 230 DAVIS, J. Simcoe.—Plank of walnut.
- 231 ALLOS, J. Montreal.—Specimens of calf leather, upper and harness.
- 232 M'LEAN & CUMINGS, Chippewa.—Sides of sole leather.
- 233 MURRAY, H. Montreal.—Calfskins. Sides of upper leather.
- 234 TRONGATHERAU, P. Quebec.—Specimen of moose skin.
- 235 TOURANGEAN, P.—Specimen of tanned moose hide.
- 236 PRENDERGAST, J.—Samples of starch.
- 237 THOMPSON, T. Three Rivers.—Pair of moose horns.
- 238 SMITH, B., Stanstead.—Bale of hops.
- 239 PENNER, J. Lachine.—Bale of hops.
- 240 SHEPHERD, G. Montreal.—Various samples of garden seeds.
- 241 CENTRAL COMMISSION, Montreal.—Shipbuilding crooks and futtocks.
- 242 RICE, W. H. Montreal.—Wire cloth.
- 243 MORRIS, R. Montreal.—Set of double carriage-harness.
- 244 LEWIS, R. Melbourne.—Model bridges.
- 245 WALLACE, A. Montreal.—Bench and moulding-planes.
- 246 LADD, C. P. Montreal.—Patent balance scales. Various chopping axes.
- 247 MORRIS, J. Montreal.—A walnut bedstead.
- 248 REED & MEAKINS, Montreal.—Chairs, sofa, and chiffonnière.
- 249 NELSON & BUTTERS, Montreal.—Corn-brooms and whips.
- 250 LAFLAMME, M. A. Montreal.—Patterns of oil-cloth.
- 251 DE MONTERR, Madame.—City arms.
- 252 FERROUSON, W. Montreal.—Flexible branch-pipe.
- 253 ALLOS, J. Montreal.—Shot-bag and rammer.
- 254 ALLOS, J. Montreal.—Tanning materials. Model of a cannon. Blankets.
- 255 CLARKE, J. Montreal.—Ship-blocks, of various kinds.
- 256 RAMSAY & McARTHUR, Montreal.—Tables of painted mahogany, and of imitation oak and marble.
- 257 CENTRAL COMMISSION, Montreal.—A bark canoe.
- 258 CHENEY, G. H. Toronto.—Copper furniture for a stove.
- 259 BOYD, F. J. Montreal.—A cut rifle gun.
- 260 ASHFIELD, J. Toronto.—A cut rifle gun. A theodolite stand.
- 261 CHENEY, G. H. Toronto.—A cooking-stove.
- 262 HAMMOND, R. Montreal.—A stone centre-table.
- 263 SCOTT & GLASSFORD.—A chopping-axe.
- 264 BRAINERD, O. N. Hamilton, Canada West.—Corn-whips and dusters.
- 265 HOLLAND & DUNN.—Cut nails, assorted.
- 266 DUNN, W. Quebec.—Embroidered chairs.
- 267 BEAN, S. E. T.—Woolen counterpane.
- 268 NIXON, T. Toronto.—Woolen counterpane.
- 269 GAMBLE, W. Milton Mills.—Horse-blanket. Piece of carpeting.
- 270 BARBER, Messrs. Esqueping.—Piece of carpeting.
- 271 FORTIER, M. St. David.—Piece of linen.
- 272 BEAN, S. E. T.—Table-cloths.
- 273 WILLET, Messrs. Chambly.—Piece of grey cloth.
- 274 MCKAY & Co. New Edinburgh.—Pieces of grey cloth and of satinette, of various kinds, including dark and brown.
- 275 SHAW, S. Toronto.—Hunting, chopping, and broad axes. Cooper's tools. Framing chisels.
- 276 WESSE, W. F. Ameliasburgh.—A churn.
- 277 SIMPSON, T. B.—A theodolite.
- 278 ONDAYABOUT, P.—Pair of snow-shoes; also moccasins.
- 279 HIGGINS, P.—Violin and case.
- 280 BELL, P. W. St. Catherine.—Indian dress, viz. coat, pair of leggins, cap, gun-case, bracelet, and pair of small belts.
- 281 THEBELKELD, —, Toronto.—An assortment of whips.

- 282 HENDERSON, —, Montreal.—Embroidered slippers, cigar-cases, purses, and fan.
- 283 ROCHEREAU, HELEN, Three Rivers.—Bark box and fan.
- 284 CAMPBELL, Major, St. Hilaire.—Bark tray and box.
- 285 HENDERSON, H. Montreal.—Embroidered table-cloth.
- 286 WHEELER, T. Toronto.—Leather model and die. Various brushes.
- 287 HOLWELL, —, Quebec.—A duplex safety rein.
- 288 PARKER BROTHERS, Toronto.—Various specimens of turning.
- 289 MATTHEWS, C. Montreal.—A lithotype.
- 290 DEAN, E. Montreal.—A patent leather travelling trunk.
- 291 HENDERSON, H. Quebec.—Coils of rope.
- 292 HENDERSON, H. Montreal. Case of pipes, assorted.
- 293 BAILLY, J. Sherbrooke.—Several pails.
- 294 DODD, R. S. Ayr.—A tub.
- 295 SPOONER, A. Montreal.—Box of twine, assorted.
- 296 DIXON, T. Toronto.—Specimens of cordage.
- 297 MOLSOM, G. E. Montreal.—A church bell.
- 298 SKIDNER & McCULLOCH, Brookville.—Several pronged hay-forks. Two and four-pronged hay-forks. Manure-fork. Scythe smiths.
- 299 REDHEAD, T. Montreal.—Black walnut chairs. An office chair.
- 300 ALLAN, W. Montreal.—Drawing-room chair.
- 301 CENTRAL COMMISSION, Montreal.—Wooden snow-shovels. Ornamental stool, with moose feet.
- 302 BELL, P. W. St. Catherine.—An Indian saddle.
- 303 WADE, M. Montreal.—Shoe-last.
- 304 BRAIDEN, O. M. Hamilton.—Corn-brooms.
- 305 CHENEY, G. H. Toronto.—A sad-iron plate.
- 306 LEAVITT, G. Dundas.—Chopping and broad axes.
- 307 GLASSFORD, —, Brookville.—A grain cradle.
- 308 SKIDNER & McCULLOCH, Brookville.—Grain cradles.
- 309 MCGILLAN & SULLIVAN, Hamilton.—Hunting saddle.
- 310 CHENEY, G. H. Toronto.—A parlor-stove.
- 311 McLEAN & WRIGHT, Montreal.—Single sleigh, with pole and shafts.
- 312 LAFLEUR, M. A. Montreal.—Oil-cloth and table-cloths.
- 313 O'MEARA, H. Montreal.—A double sleigh.
- 314 CENTRAL COMMISSION, Montreal.—A spring-back sofa.
- 315 HILTON, J. & W. Montreal.—Walnut centre and pier-tables. Spring-back sewing-chair. Various chairs. Tête-à-tête.
- 316 CENTRAL COMMISSION, Montreal.—Chiffonnière. Specimens of maple veneer. Walnut centre-table (manufactured by Reed & Meakins). Cross of oak veneer. Silk sash. Sofa-chairs. Rocking-chairs. Black walnut veneer. Piccolo pianoforte (manufactured by J. W. Herbert, Montreal). Case of type. Indian dress.
- 317 INLER, —, Montreal.—Box of Bologna sausages. Case of smoked hams. Barrel of beef, tongues, &c.
- 317A —, Montreal.—Box of biscuits.
- 318 FLETCHER, J. Montreal.—“Maiden hair” syrup. Raspberry vinegar.
- 319 BRUNDEN & SHIPTON, St. Hilaire.—Preserved potatoes. Potato starch.
- 320 REINHARDT, G. Montreal.—Barrel of pork.
- 321 INLER, E. Montreal.—Barrel of pork. Keg of lard.
- 322 FERHAULT, J. St. Martin.—Bees'-wax.
- 323 LEVEY, J. Montreal.—Samples of snuff.
- 324 MANE, A. Montreal.—Mineral waters.
- 325 LYNAM, H. Montreal.—Samples of honey.
- 326 NICHOLSON, —, Montreal.—Barrel of beef.
- 327 VENNIE, J. Lachine.—Bottled cider.
- 328 GILLESPIE & Co. Montreal.—Barrel of vinegar made from wood.
- 329 MATTHEWSON & SON, Montreal.—Case of fancy soaps. Case of common soaps and candles.
- 330 IRWIN, J. Montreal.—Travelling trunk.
- 331 ADAMS, W. H. F. Montreal.—*Etoffs du pays* suit of clothes.
- 332 HENDERSON, J. Montreal.—Bear, wolf, and fox-skin sleigh robes.
- 333 MOCK, J. W. Montreal. Barrel of fine ship biscuit. Set of single sleigh harness, made of patent leather.
- 334 MORRIS, R. Montreal.—Military helmet. Proposed helmet of the Rangers, made for Sir James Alexander, A.D.C.
- 335 FITTS, A. Montreal.—Fancy biscuits.
- 336 FLETCHER, J. Montreal.—Samples of candy.
- 337 MCPHERSON, J. Montreal.—A clarinet and a coronean.
- 338 LAURIN, J. J. Quebec.—A single sleigh. A light carriage and wheels.
- 339 COMMISSIONERS, Quebec.—Straw-hats.
- 340 SAVAGE, G. & SON, Montreal.—A silver embossed tea-kettle. Silver engraved spectacle-case. Silver table-spoon and fork. Silver dessert and tea-spoon.
- 341 LEGGATT, H., Montreal.—Gold cable-chain and other articles of jewellery.
- 342 PERRY, G. J. Montreal.—Fire-engine.
- 343 PALGRAVE, J. T. Montreal.—Case of type.
- 344 PERRY, J. Montreal.—A copying-press.
- 345 HULBERT, S. Prescott.—A plough.
- 346 RODIER, P. St. Hyacinthe.—A model locomotive.
- 347 LADD, C. P. Montreal.—A grist-mill.
- 348 FLECK, A. Montreal.—A light plough.
- 349 GARTH, C. Montreal.—A steamboat engine-gong. A steam-boller gauge-cock of improved construction. A 1-inch water-cock or valve.
- 350 FLEMING, S. Toronto.—A lithographic drawing.
- 351 DUNCAN, P. Montreal.—Designs for coinage.
- 352 STARKE & Co. Montreal.—Ornamental letter-press printing.
- 353 WHEELER, T. Toronto.—Medallion in gutta percha of the Earl of Elgin, Governor-General of Canada.
- 354 DICKINSON, C. M. Montreal.—Specimens of dentistry.
- 355 SOTER, J. Montreal.—Dressed porpoise-skin.

NOVA SCOTIA.

AVENUE P., AREAS 30, 31, 32.

GOULD, N. 4 Tavistock Sq.—Bitumen.

ACADIAN IRON MINING ASSOCIATION.—Iron, steel, tin plates, wire, cutlery, bars of iron and steel polished, pig and cast iron.

ARCHIBALD, C. D. F.R.S. 15 Portland Pl. Prop.—Iron ores from the province of Nova Scotia, embracing magnetic ores, specular, spathose, micaceous oligistic, fossiliferous, hematites, hydrates, ochres, &c. Manganese—peroxide, black, grey, crystallized, and acicular. Copper Ores—carbonate, oxide. Barytes—sulphate, crystallized. Marble—statuary, veined, &c. Ochres—red, yellow. Ankerite—a ferruginous variety of limestone containing spathose iron ore. Fossils. Various building materials.

ARTICLES exhibited by the CENTRAL COMMITTEE in NOVA SCOTIA, consigned to the care of C. D. ARCHERD, Esq. Portland Place. (Agent, Mr. MACLEAN, Lobby, Custom-house.)

Geological prints on clay. Specimens of freestone. Yellow and burnt ochre. Mineral paints. Coal. A fossil-tree. Shell, marl, and lime. Iron ore, and other mineral specimens.

Samples of cod-liver oil. Chemical preparations. Maple sugar in crystals; pulverized; and in syrup. Samples of wheat grown by Indians, and grown by the farmers; weight 64 lbs. 11 os. per bushel. Sample of maple sugar. Preserved fish. Digby herrings. Barley, wheat, straw, and oats. Indian corn. Beef and ham, 90 lbs. Bacon, &c.

Specimens of woods: Curled maple, bird's-eye maple, veneered birch, grey and white oak, and lepidodendron stem.

Young seal-skins. Specimen of human bones (Indian). Samples of hay-seed, moose heads, and horns; cariboo. Collection of botanical specimens.

Specimens of preserved animals, birds, and insects. The birds stuffed by Mr. Andrew Downs, of Halifax.

Skins of wild cat (*Felis catus*); lynx (*Felis lynx*); red, cross, black, silver, and white fox (varieties of *Vulpes communis* and *Vulpes lagopus*); American hare (*Lepus americanus*); martin (*Mustela marinus*); mink (*Mustela bebraea*); raccoon (*Procyon lotor*); otter (*Lutra vulgaris*); beaver (*Castor canadensis*); bear (*Ursus americanus*); wolf (*Canis lupus*); weasel (*Mustela erminea*); squirrel (*Sciurus*); flying squirrel (*Pteromys volucella*); silver-grey fox, martin, musquash (*Nasua socialis*); raccoon, and cat-skin sleigh-robes.

Two iron castings. One Indian canoe and three paddles. Sample of French home-spun grey, green, striped, and plaid cloth. Check home-spun plaid cloth and brown cloth.

Two shawls. Quilts, blankets, woollen hearth-rugs, &c. Woollen vest. Socks and mitts, assorted. Pairs of fine and coarse pegged boots. Shoe-lasts. Snow-shoes with moccasins. Grass bonnets and hats. Down hat, muff, victorine, and cuffs.

An Indian dress, cradle, chairs, seats, mats, cigar-cases, and other Indian work.

Map of Nova Scotia, and hand-book. Book of music. Piano, in case of bird's-eye maple. Soap and candles. Eel-spear and fishing-rods. Indian fan, reticule, hood, purse, and moccasins. Indian and negro bones and baskets. Reticules of grass.

NEWFOUNDLAND.

AVENUE Q., AREA 32.

SEABE, EVEN, Liverpool St. London.—Samples of cod-liver oil purified (of much efficacy in pulmonary complaints), from the manufactory of W. L. M'Kay, St. John's, Newfoundland.

NEW BRUNSWICK.

AVENUE Q., AREA 32.

GREY, The Dowager Lady.—A canoe, with three figures, representing Joseph Jamar, the chief of the Melicite

tribe of Indians, his squaw and her popoos, in their state costume.

GREEN, BAZANT, & Co. Liverpool.—A figure head of an Indian chief.

ST. HELENA.

AVENUE Q., AREA 32.

MARRAS, S.—Sample of coffee grown in St. Helena. AGRICULTURAL SOCIETY of ST. HELENA, per Capt. BOLTON, 18 Wilton St. Belgrave Sq.—Box of raw cotton. Box of alkali, made from the Salsola plant. Bar of rock salt.

MAURITIUS.

AVENUE Q., AREA 32.

GREY, The Countess.—Basket and wreath of flowers from the Seeballes Islands, made from the leaves of the palm of the Seeballes (*Nissus jouticaeus*). A nest of baskets.

DUFONT, EVENA, Esq., Fort Louis.—A packet containing seven pounds of white silk, the produce of the Island of Mauritius, from silkworms reared in the district of Tamarin.

The quality of the silk must not be taken as a criterion of what Mauritius will produce, as the manufacture is in its infancy, and has only lately been commenced.

About 300 acres of ground have been planted in the cooler districts of Mauritius with mulberry trees, which have rapidly grown up, and are now fit for use. A company has been formed in Mauritius by the exertions of Mr. Evena Dupont, a barrister and planter there, called the "Fatura Centrale." An experienced "fleuse," Madame Boddieu, has been engaged from the neighbouring island of Bourbon, and is now giving instruction to various proprietors. Some ten persons rear worms and send to the Company regular supplies of cocoons, and eighty-seven other proprietors have received cocoons and mulberry cuttings from the Company. It is considered that this manufacture will flourish and increase rapidly in the island, and form eventually an important branch of trade, the climate and the soil being peculiarly suitable to the profitable rearing of the silkworm. From Bourbon it is stated by the correspondent, Mr. Dupont, that silk was sent to Paris of such fine quality as to fetch 111 francs per kilogramme, or about 2l. 4s. the pound.

ST. DOMINGO.—(No Return.)

AVENUE R., AREA 30.

GREENADA.—(No Return.)

AVENUE R., AREA 30.

MONTERRAT.

A box of maize or Indian corn. A box of arrow-root.

ST. KITT'S.

AVENUE R., AREA 30.

A West Indian fish-pot, made by John Morris, a black labourer, in the Island of St. Christopher, from the inner bark of a tree. It is usually baited and weighted, and then sunk to the depth of eight or ten fathoms. A buoy marks the spot, and it remains about twelve hours in the water.

BARBADOES.

AVENUE R., AREA 30.

SPECIMENS OF NATURAL PRODUCTIONS.—Fruits, Spices, &c.

Cactus (*Cereus trigonus*).
 Dunks (*Ziziphus jufube*).
 Purple peppers (*Capiscum purpurum*).
 Finger peppers (*Capiscum purpurum*).
 Sea-side grapes (*Coccoloba wifera*).
 Otahite gooseberry (*Coccos disticha*).
 Golden apple (*Spondias dulcis*).
 Pig plum (*Spondias dulcis*).
 Water lemon (*Passiflora laurifolia*).
 Rose apple (*Passiflora laurifolia*).
 Chill peppers (*Capiscum*).
 Cherry peppers (*Capiscum ceruiforme*).
 Cashew (*Anacardium occidentale*).
 Red bell pepper (*Capiscum annuum*).
 Green bonnet pepper (*Capiscum tetragonum*).
 Yellow Carib pepper (*Capiscum Caribaeum*).
 Mango (*Mangifera indica*).
 Peach mango (*Spondias lutes*).
 Jamaica plum.
 Red bounet pepper (*Capiscum tetragonum*).
 Star plums (*Chrysophyllum monogermum*).
 Green sugar apple (*Anona squamosa*).
 Purple sugar apple (*Anona squamosa*).
 Tamarinds.
 Cream-coloured peppers.
 Guavas.
 Green bell pepper (*Capiscum annuum*).
 Sapodilla (*Artocarpus sapota*).
 Cacao (*Theobroma cacao*).
 Limes (*Citrus acida*).
 Star apple (*Chrysophyllum Caimito*).
 Red banana (*Musa sapientum*).
 Yellow banana (*Musa sapientum*).
 Avocado pear (*Persea gratissima*).
 Citron (*Citrus*).
 Pomegranate.
 Custard apple (*Anona reticulata*).
 Bread-fruit (*Artocarpus incisa*).
 Sour sop (*Anona muricata*).
 Green plantain (*Musa Paradisiaca*).
 Yellow plantain (*Musa Paradisiaca*).
 Papaw (*Carica Papaya*).
 Grape fruit (*Citrus*).
 Sugar-cane (*Canna coccinea*).
 Specimens of bituminous coal and selenite.
 Bale of cotton.
 Gourd of aloes.
 Bundle of Spanish needles.
 Specimens of transparent and Bourbon cane.
 Flower of transparent and Bourbon cane.
 Bottle of seeds of *Guilandina Bonche*.
 Samples of Gadsden pan sugar and oscillation-sugar.

ANTIGUA.

AVENUE Q., AREAS 30, 31.

GRAY, The Countess.—Fossil wood from Antigua, sent home by Governor Higginson.

BRITISH GUIANA.

AVENUE S., AREA 32.

(CATALOGUE OF ARTICLES, the Produce of BRITISH GUIANA, a colony on the coast of SOUTH AMERICA, comprising the counties of DEMARARA, BERBICE, and ESEQUIBO, exhibited by ALEXANDER F. RIDGWAY, 43 Leicester Square, London, agent to the Royal Agricultural and Commercial Society of the Colony.)

1 POLLARD, T. M.—White sand, from Mount Pleasant, Warratilla Creek, River Demerara. Red sand, from Warratilla Creek, River Demerara.

2 DOUGLAS, T. B.—White sand, from Monte Video, River Berbice, about 200 miles above its estuary. Orecala, a decomposed rock, from River Berbice, supposed to be valuable in the manufacture of pottery.

3 BEE, J. F.—Clays and sands, an Artesian boring, obtained at various depths.

4 NETSCHER, A. D. VAN DER GOW.—Rice, from Plantation Klein Pouderoeyn, River Demerara.

5 DOUGLAS, T. B.—Rice, from Monte Video, River Berbice.

6 NETSCHER, A. D. VAN DER GOW.—Maize, or Indian corn. Meal from maize, or Indian corn. Plantains, unripe, sliced and dried without the aid of fire. Plantain meal, or konkia tay, from Plantation Klein Pouderoeyn, River Demerara.

7 DAVEN, W.—Plantation meal, from Plantation Vigilance, East Sea Coast, Demerara.

8 GARRETT, H. T.—Plantation meal; meal from the bitter cassava, baked into bread, from Plantation Herstelling, River Demerara.

9 FURTRON, J. D.—Bananas, dried without aid of fire, from Plantation Vigilance, East Sea Coast, Demerara.

10 NETSCHER, A. D. VAN DER GOW.—Coffee, from Plantation Klein Pouderoeyn, River Demerara.

11 KENNEDY, J.—Pearl coffee, from Plantation Nooit Gedacht, Canal No. 1, River Demerara.

12 BEE, J. F.—17, 18 Coffee, and in the berry, from Georgetown, Demerara.

13 NETSCHER, A. D. VAN DER GOW.—Cocoa seeds, from Klein Pouderoeyn, River Demerara.

14 DOUGLAS, T. B.—Secanari nuts, from River Berbice.

15 SMITH, D.—Capsicums, dried capsules. Capsicums, preserved in dilute acetic acid. Capsicums, active principle extracted by olive oil and by vinegar; all from Plantation Kitty, East Sea Coast, Demerara.

16 STURCHBURY, J. S.—Capsicums, preserved in dilute acetic acid, from Georgetown, Demerara.

17 DOUGLAS, T. B.—Fruit of a shrub, called birambi, from River Berbice, preserved in pickle.

18 NETSCHER, A. D. VAN DER GOW.—Limes, from Plantation Klein Pouderoeyn, River Demerara, preserved in pickle.

19 STURCHBURY, J. S.—Kasareep, the inspissated juice of the bitter cassava, from Georgetown, Demerara.

20 BEE, J. F.—Turmeric root, also from Georgetown, preserved in dilute acetic acid. Kasareep, the inspissated juice of the bitter cassava, from Georgetown.

21 GARRETT, H. T.—Arrow root. Starch, from the bitter cassava, from Plantation Herstelling, River Demerara.

22 SMITH, D.—Starch, from the sweet cassava, plantain, Buckyam, from Plantation Kitty, East Sea Coast, Demerara.

23 ANDERSON, G. & Co.—Vacuum pan-sugar, from Plantation Ogle, East Sea Coast, Demerara.

24 JONES, J.—Vacuum pan-sugar, from Plantation Hops, East Sea Coast, Demerara.

25 STURCHBURY, J. S.—Vacuum pan-sugar, from Plantation Ennore, East Sea Coast, Demerara.

26 LALOE, J.—Sugar, from Plantation Friends, River Berbice, manufactured in Gadsden and Evans's pan.

- 27 SHIER, D.—Muscovado and molasses, from the Colonial Laboratory, Georgetown, Demerara.
- 28 STUTCHEBURY, J. S.—Muscovado, from Plantation Fellowship, Mahaicong, East Coast, Demerara. Copaiba, balsam of, from River Pomeroun, Essequibo.
- 29 OUTRIDGE, J.—Caoutchouc, from River Demerara, near the Falls. Milk from the cow-tree, from River Demerara.
- 30 DUGGON, T. B.—Gum resin, from the simiri or locust tree, from River Berbice.
- 31 BOWYER, G. R.—Karama, from River Essequibo.
- 32 OUTRIDGE, J.—Hyawal gum or incense, from River Demerara.
- 33 STUTCHEBURY, J. S.—Laurel oil, from River Pomeroun, Essequibo. Crab-oil, from River Essequibo.
- 34 DUGGON, T. B.—Seeds of the Dari tree; bark of the Mora tree; bark of Hog-plum tree; from River Berbice.
- 35 SHIER, D.—Sandbox tree, seeds of, from Georgetown, Demerara. Courida tree, bark of, from Plantation Kitty, East Sea Coast, Demerara.
- 36 STUTCHEBURY, J. S.—Hy-yarri or Hal-ari, fish poison, from River Demerara. Angustora bark, from River Pomeroun, Essequibo. Rhizophora racemosa, bark of, from East Sea Coast, Demerara.
- 37 OUTRIDGE, J.—Trysall bark, from River Demerara.
- 38 STUTCHEBURY, J. S.—Greenheart tree, bark of, from River Demerara. Guinea pepper, or grains of Paradise, from River Demerara. Alpinea nutans, seeds of, from Demerara.
- 39 DUGGON, T. B.—Greenheart tree, seeds of from River Berbice.
- 40 SHIER, D.—Physic nuts, seeds of, from Georgetown, Demerara.
- 41 MARGET, Mrs.—Physic nuts, seeds of, from Georgetown, Demerara.
- 42 ARNOLD, Mrs.—Quassia amara, from Plantation Zeelandia, Wakenaam, River Essequibo.
- 43 STUTCHEBURY, J. S.—Bosiari, bushrope, from River Demerara.
- 44 BLAIR, D.—Cotton, cleaned and uncleaned, from Plantation Batavier, Mahaica River.
- 45 NETSCHER, A. D. VAN DER GON.—Cotton, uncleaned, from Plantation Klein Pouderoeyen, River Demerara.
- 46 BEZ, J. F.—Cotton, hard and loose seed, cleaned and uncleaned, from Plantation Woodlands, River Mahaica, Demerara. Silk cotton, bale of, from Georgetown, Demerara.
- 47 DE BURTON, J.—Plantain and silk grass fibre, from Plantation Vigilance, East Sea Coast, Demerara.
- 48 NETSCHER, A. D. VAN DER GON.—Plantain fibre, from Plantation Klein, Pouderoeyen, River Demerara.
- 49 DUGGON, T. B.—Silk grass and fibre of Fibiari, from River Berbice.
- 50 BEZ, J. F.—Fibre of Mahoe, from Demerara. Table-top, including 84 different specimens of wood, the growth of the colony.
- 51 OUTRIDGE, J.—Mora, transverse and vertical sections, both from River Demerara.
- 52 STUTCHEBURY, J. S.—Greenheart, vertical section, from River Demerara.
- 53 BUCHANAN, A.—Purpleheart, transverse and vertical sections, both from River Essequibo.
- 54 OUTRIDGE, J.—Kakarilla, wamara, or brown ebony, and hooobally, transverse and vertical sections, both from River Demerara.
- 55 BUCHANAN, A.—Wallaba, transverse and vertical sections, both from River Essequibo.
- 56 DUGGON, T. B.—Wallaba, tecuba, or hart, River Berbice.
- 57 OUTRIDGE, J.—Bully tree, and silverballi, yellow, transverse and vertical sections, from River Demerara.
- 58 FAUSER, T.—Silverballi, portion of the planking of a drogher and punt.
- 59 BUCHANAN, A.—Camara, or tonquin bean, and smouri, transverse and vertical sections, from River Essequibo.
- 60 OUTRIDGE, J.—Yaruri, or paddlewood. Hackia, Hguum vite, transverse and vertical sections, both from River Demerara.
- 61 DUGGON, T. B.—Lana, mazzmee apple, hyawa, and corkwood, transverse and vertical sections, from River Berbice.
- 62 POSTIFEX, G.—Corkwood tree, abutment near the root, from Troolie Island, River Essequibo.
- 63 BEZ, J. F.—Courida, transverse and vertical sections, from Plantation Woodlands, River Mahaica.
- 64 OUTRIDGE, J.—Itikiriburaballi; white cedar, or warracoori, transverse and vertical sections, both from River Demerara.
- 65 BEZ, J. F.—White cedar, or warracoori, transverse and vertical sections, from River Mahaica, East Sea Coast, Demerara.
- 66 OUTRIDGE, J.—Suradanni, detarma, crabwood, koquerettaballi, coutabally, blackheart, cabacalli, yarri yarri, or lancewood, torchwood, toooro, transverse and vertical sections from River Demerara.
- 67 BEZ, J. F.—Coffee tree, portion of the trunk, and vertical section, from Canal, No. 2, River Demerara.
- 68 Tigerwood, transverse and vertical sections, both from River Demerara.

MISCELLANEOUS ARTICLES.

- 69 STUTCHEBURY, J. S.—Tonkin bean, in capsules, from River Demera.
- 70 DUGGON, T. B.—Job's tears, from River Berbice.
- 71 ROSS, G.—Soap berries from Plantation Ruminvald, River Demerara.
- 72 MARGET, Mrs.—Barriocari, from Georgetown, Demerara.
- 73 SHIER, D.—Buck shot, or seeds of the "Fous les mois," from Georgetown, Demerara.
- 74 MORISON & KNOS.—Isinglass, from Gilbagre, coast of Demerara.
- 75 BEZ, J. F.—Honey, from Plantation Woodlands, River Mahaica.
- 76 BARKLY, Mrs.—Ornamented hammock. Hat, made of the bark of the eta palm. Indian hats.
- 77 STUTCHEBURY, J. S.—Eta palm hammock. Ropes to the same from silk.
- 78 HOLMES, W. H.—Case of packalla. Shask-shaak, from River Demerara. Fans, made of the eta palm.
- 79 SHIER, D.—Matapi, or cassava squeezer, made of the eta palm.
- 80 BEZ, J. F.—Etami, or cassava sifter, made of the eta palm.
- 81 BARKLY, Mrs.—Model of Indian house.
- 82 ROSE, Miss.—Cotton hammock.
- 83 RIES, B.—Spun cotton, from River Pomeroun.
- 84 STUTCHEBURY, J. S.—Fishing nets of silk grass.
- 85 DENNIS, G.—Basket, for carrying young "books." Entire wardrobe of a female Indian of the Warrow tribe.
- 86 DUGGON, T. B.—Indian war club, from River Berbice.
- 87 ARNOTT, R.—Indian war clubs, from River Demerara. Blowpipe and quiver, with poisoned arrows. Bows and arrows, bows made of washiba.
- 88 DUGGON, T. B.—Winna, made of the rind of the fruit of the Manicola palm, used by the Indians for enclosing tobacco for smoking, from River Berbice. Buck pot, used in preparing pepper pot. Indian fly brush. Quailok, or covered basket, negro manufacture, made of moucourou. Basket, such as is used in coffee picking. Hand basket. Two baskets, negro manufacture, made of the leaf of the cabbage palm. Calabashes.

89 STEELE, M.—Doorlocks, made of greenheart and crabwood of the growth of the colony.
 90 BEZ, J. F.—Two walking-sticks, made from the outer rind of the tooroo palm, from River Demerara. A box containing eighty small specimens of the woods of the colony.

BAHAMAS.

AVENUE Q., AREAS 30, 31.

- BARKETT, MRS. EDWARD, of Nassau, and 14 Woburn, London.—Specimens of fruits in wax:—
- 1 Bread-fruit (*Artocarpus incisa*).
 - 2 Plantain (*Musa sapientium*).
 - 3 Coco plum (*Chrysothalamus Icaco*).
 - 4 Prickly pears (*Cactus Opuntia*).
 - 5 Banana (*Musa paradisiaca*).
 - 6 Cashew (*Anacardium occidentale*).
 - 7 Spanish pepper (*Capiscum annuum*).
 - 8 Star-apple, showing the interior (*Chaetophyllum Cainito*).
 - 9 Papaw (*Carica Papaya*).
 - 10 Spanish plum (*Spondias Chrysothalamus*).
 - 11 Gooseberry (*Cocca disticha*).
 - 12 Water-lemon (*Passiflora laratifolia*).
 - 13 Aquil.
 - 14 Sugar-apple (*Anona squamosa*).
 - 15 Balsam (*Impatiens noli tangere*).
 - 16 Star-apple (*Chaetophyllum Cainito*).
 - 17 Fig (*Ficus Carica*).
 - 18 Sugar-cane (*Saccharum officinarum*).
 - 19 Banana, showing the interior (*Musa paradisiaca*).
 - 20 Sour sop (*Anona muricata*).
 - 21 Guava (*Psidium pyrifera*).
 - 22 Custard-apple (*Anona reticulata*).
 - 23 Cherry (*Cordia allodora*).
 - 24 Guava, showing the interior (*Psidium pyrifera*).
 - 25 Sapodilla, showing the interior (*Achras zapodilla*).
 - 26 Hog-plum (*Spondias Myrobalanus*).
 - 27 Bread-fruit, showing the interior (*Artocarpus incisa*).
 - 28 Mango (*Mangifera indica*).
 - 29 Avocado pear, cut to show the interior (*Persea gratissima*).
 - 30 Banana, red (*Musa paradisiaca*).
 - 31 Fig banana (*Musa coccinea*).
 - 32 Sapodilla (*Achras zapodilla*).

Specimens prepared by JOHN THOMAS THOMPSON, Nassau.—Specimens of Yucca hemp:—

A One leaf of the Yucca (*Serrulata*).

B The billets between which they are packed are cut from the flower-shaft. This cork-like material (B) is of use where softness and elasticity are required in bedding, or stuffing, or packing different sorts of work; in bodies of razor-strops: in thick or thin sheets, it is very convenient for purposes where points have to be fixed and withdrawn easily, such as cases for entomological purposes.

C Hemp prepared from the Yucca leaf.

D Rope prepared from the hemp, but stained in soaking.

E The same, but of the natural colour.

Specimens of Palmetto stuff:—

- 1 Leaves of the Palmetto.
- 2 Fibre prepared from the leaves.
- 3 Rope completed.

TRINIDAD.

AVENUE R., AREA 31.

ARTICLES sent to the EXHIBITION from TRINIDAD, by order of the Governor Lord HARRIS, through Messrs. DUNLOP & SCHVALER, of Southampton, and LIGHTLY & SIMON, 123 Fenchurch St. London.—A hut. Cedar table-top. Calabrestres. Specimens of different woods, stone, slate, and

coal. Minerals. Tobacco and cigars, sugar, arrow-root, cotton, rice, spices, turmeric, and fruit.

SERIES OF NATURAL SPECIMENS AND OF PRODUCTIONS FROM THE PITCH LAKE AND NEIGHBOURHOOD.

Lignite, pitch-stone, and gypsum.
 Yellow and white ochre.
 Iron ores (varieties).
 Slate and freestone (Manzanilla).
 Sarsaparilla and balsam of copaiba.
 Spices:—Nutmegs, cloves, and mace. Ginger. Turmeric and Cayenne pepper. Black and white pepper.
 Tobacco. Muscavade sugar (two sorts).
 Starch series:—Cassava starch (manufactured), arrow-root, and *tau-le-mois*, the starch of the *Cassia Indica*.
 Substances used for drinks:—Mocha coffee; cocoa, prepared for the English and Spanish markets.
 Maize (in the ear), and Brasil nuts.
 Gum-anime.
 Cocco-nut and carass oil.
Manteca de cacao, or cocoa-butter.
 Fibres:—*Fibra bromelia havata*; *Fibra agave*; *Mahagua* (inner bark); and ropes from *Sterculea Caribaea*.
 Specimens of woods:—Locust, from which gum-anime is extracted; yoke, cedar, aguatapana, and tapana. Poul (black, grey, and green). Gru-gru, gri-gri, sisse, and carassa. Olivia; calabash; angelivo; dalba paltines; purple-heart, a very tough wood, and from which the balsam of copaiba is extracted; fustic; acoma; aguatacano; letter-wood; balsta; lignum vite; roble; iron-wood, or bois gri; eucalyptus; yoke savan; and mahogany.
 Soutple-jack, &c., for walking-sticks. Tortoise-shell; and whale-oil.
 Parts of a cart-wheel.
 Culebra, for making cassava meal.
 Nest of twelve baskets and sieves.
 Carved calabashes.
 Seeds used for necklaces, &c.
 Straw fans, and shack-shacks.
 Ornamental and other articles used by the Indians.
 Many of the vegetable substances mentioned in the preceding list, are enumerated by local names only, and are consequently difficult of identification. Others are well known and of value.

MINERAL KINGDOM.

- 1 Pitch, from the springs in the centre of the pitch lake.
- 2 Petroleum, from springs in the Guapo Hills, near the pitch lake.
- 3 Cellular pitch, of which the surface of the lake principally consists.
- 4 Compact pitch, which crops out through other strata in the lands around the pitch lake.
- 5 Glycer pitch, found in small detached masses, in the same.
- 6 Pitch turf, from a pitch bog, in the same.
- 7, 8 Pitch, mixed with organic matter.
- 9 Mineral charcoal, prepared by Mr. H. Warner, from Trinidad pitch; and used as a substitute for animal charcoal in the manufacture of sugar; it can be produced at about one-fifth of the price of the latter.
- 10—14 Petroleum, mineral oil, naphtha, ammoniacal water and coke,—prepared from Trinidad pitch, and illustrating the process of making naphtha from pitch.
- 15 Pitch seam, found between strata of sandstone.
- 16 Sandstone, impregnated with mineral oils and naphtha.
- 17—20 Ochres, from the Guapo Hills.
- 21, 22 Sandstone, with specular iron, from the Guapo Hills.
- 23 Black sand, from the sea-shore at Guapo.
- 24 Hematite, from Gaspari Island.
- 25 Magnetic iron-ore, from Maracass valley.
- 26 Iron pyrites, from the mud volcanos.

27 Lignite, from Irois. It occurs in immense quantity, near the surface.

28 Coal, supposed to be anthracitic, from Mansanilla.

29 Slate, from St. Ann's hills; taken from the surface.

30 Hone-stone, from near Tamana.

31 Ochre, from Arima.

32 Clay, from Arima, used for making water-jugs.

33 White earth, from Arima, used for white-washing houses, &c.

34 Yellow earth, from St. Ann's river.

35 Sulphureous earth, from near the pitch lake.

ANIMAL KINGDOM.

Tortoiseshell: the hawk's-bill turtle is caught on all the coasts of Trinidad and the Gulph of Paria; the shell forms an article of export.

Whale oil: the whale is caught in the Gulph of Paria; it usually makes its appearance about January, when the fishing season begins, and lasts till June; from 12 to 18 fish are caught annually, each giving from 60 to 80 barrels of oil.

VEGETABLE KINGDOM.—(Oils and Fatty Substances.)

Cocoa-nut-oil: a large quantity of this oil is made in the island, chiefly on the east coast.

Carap oil: this oil is made from the seeds of a common indigenous tree, called *Carapa Guianensis*.

Cocoa fat: this butter-like substance is obtained from the seeds of *Theobroma Cacao*, and is esteemed as an emollient.

Spices.

Nutmegs: the nutmegs grown in Trinidad are equal to any from the East. The annual produce per tree varies from 10 to 15 lbs.

Cloves: this tree bears an abundant crop twice in the year; the produce is of good quality.

Black pepper: which thrives well, and is very prolific.

Cayenne pepper: the smaller kinds of capsicum (bird pepper) are like weeds in point of abundance, and when dried and ground, make good cayenne pepper.

Vanilla: there are three different species of vanilla, all producing this pod, and all indigenous to the colony.

Fibres.

Cotton, although not cultivated for many years, readily suits itself to the soil and climate; the specimen sent is grown from that variety called sea island cotton, a few seeds of which were imported from Jamaica.

Bromelia (*Karatta*): this plant is indigenous to the island, and, like all the pine-apple tribe, furnishes a strong and soft fibre.

Sterculia (*Caribea* or *Majagua*): the bark of this tree furnishes the country people with cordage, and is strong.

Agave (*Vivipara* or *Langue boy*): all the species of agave furnish a white, but somewhat harsh or brittle fibre.

AGRICULTURAL PRODUCTS.

Sugar (*Muscovado*): this is the chief staple product of the colony, and great exertions are being made to improve its quality.

Rice: this article is productive in any part of the island, whether the land be high or low.

Cassava starch: is the produce of *Jatropha manihot* (or bitter cassava). This plant is extensively cultivated.

Arrowroot: the produce of *Maranta arundinacea*, and other species.

Ton-les-mois, or tulema: gives also a large return of starch; it is said that the produce per acre, in good soil, is equal to that of sugar from the sugar-cane, viz., from one to two tons per acre.

Brazil nuts: the produce of *Bertholettia excelsa*. The tree has been introduced from South America, and is ornamental and useful.

Tonquin bean: from the tree *Dipterix odorata*, which was introduced from British Guiana.

Indian corn, or maize.

Coffee (*Mocha*): this variety of coffee has been introduced some years, and preserves, in cultivation, its peculiarly small round grain.

Theobroma, cacao, or cocoa: this tree is extensively cultivated; its produce forms a large article of export.

Cocoa, or chocolate manufactured.

Tobacco, in the leaf, from Siparia.

Tobacco, manufactured, from the same place.

Gums and Resins.

Gum-anime: from Arima, the produce of *Hymenaea Courbaril*, or locust-tree.

Incense: the produce of *Trichilia trinitensis*.

Medicinal Products.

Sarsaparilla: the root of a species of *Smilax*, and abundant.

Ginger.

Tanning and Dyeing Materials.

Turmeric, logwood, and fustic.

Woods for Ornamental and other Purposes.

Hymenaea courbaril, or locust: a valuable timber, and abundant, which grows from two to six feet in diameter.

Yoke: a handsome wood, analogous to mahogany, usually from two to three feet diameter.

Cedrela odorata cedar: West Indian cedar; a useful and ornamental timber, from three to twelve feet in diameter.

Rhopala montana (Agustapama): a very durable wood, and taking a fine polish; from 16 inches to three feet in diameter.

Tapana: used for feloes of wheels, and where strength and toughness is required.

Cordia (or *Sepa*): a useful light wood, analogous to English elm in texture, and possessing a bitter principle, which deters insects; from one to two feet in diameter.

Acaras (Bakita): a timber much used; from two to six feet in diameter.

Achras (Acoma or *Mastic)*: like the timber of the whole family of Sapotaceae, much valued; from two to four feet in diameter.

Achras (Zapotilla or *Zepodilla)*.

Astrocaryum aculeatum (Gri Gri): this, like most of the palm tribe, furnishes good material for veneering.

Acrocomia sclerocarpa (Gra Gra): a wood similar to the last.

Carapa guianensis (or *Carapa*): a useful timber, analogous to cedar; from two to three feet in diameter.

Bucida buceras (or *Olivia*): a strong useful wood, used for making shingles; from two to four feet in diameter.

Purple heart: an abundant and useful timber; from two to four feet in diameter.

Fustic: used for all purposes where strength is required, and as a dye wood; from one to three feet in diameter.

Lecythis (Idaïsson or *Ayatanace)*: commonly used as shafts for carts, &c.; a tough wood, of large size, and very common.

Tecoma serratifolia (grey posi) *Tecoma (black posi)*: *Tecoma (green posi)*.

Brosimum guianense (Letter wood): the heart wood is the only part used, and is never of any great size.

Crecentia cujete (or *Calabash*): common tree, which furnishes timber applicable to the same purposes as that of the ash in England.

Geoffreya inermis (or *F. Angeline*): a timber much employed as naives for wheels and other purposes.

Paltivia. Bois gri (or *Iron wood*).

Mimosa julliflora (Yoke sasan): a hard and useful wood.

Roble: a common and excellent wood; from two to three feet in diameter.

Copaifera officinalis (Copa), is an ornamental and lasting wood.

Vitex capitata: this tree is reckoned durable timber, and is very common.

Bois llard, *Guaiacum officinale (Lignum vite)*: very hard wood, about one foot in diameter.

MANUFACTURES, ORNAMENTAL SEEDS, &c.

- A nest of baskets.
- Sieves, made of a species of maranta, for sifting casava meal.
- Culebra, for expressing the casava pulp, and separating the casava starch.
- Carved calabashes.
- Fans, for ladies.
- Fish-basket, as used by the Indians.
- Model of Indian house.
- Seeds used as beads, viz., *Adenantha pavonina*, *Croix lachryma*, *Erythrina corallodendron*, *Ormosia dasycarpa*.
- An Indian hut, in the village of Arima, 16 miles from the town of Port of Spain, made by Manuel Sorzano, and containing—

- 1 Aroo—Bow.
- 2 Flasas—Arrows.
- 3 Fonda—Fishing Net.
- 4 Taparos—Long calabashes used for keeping honey, &c.
- 5 Cambas—Casava made of manioc.
- 6 Tamilla—Cast net.
- 7 Tripichs—Used for pressing sugar-canes to extract the juice.
- 8 Annelender—Fishing-rod.
- 9 Escama—Kept over fire-places to preserve provisions by smoke.
- 10 Hoyas—Cooking-pot.
- 11 Casells—Dish.
- 12 Topias—Stones on fire-place.
- 13 Hacha—Axe.
- 14 Guayaro—Basket carried on the back.
- 15 Fanilla—Indian bead.
- 16 Chosa—Bird-trap.
- 17 Hanco—Bench.
- 18 Machets—Cutlans.
- 19 Plantanos—Plantains.
- 20 Piedra de Moler—Grinding-stone for making corn-bread (Indian-corn cake).
- 21 Totuma de Moler—Calabash receiving the corn.
- 22 Cochillo—Knife.
- 23 Paleta—Washerwoman's beetle.
- 24 Canasto—Basket.
- 25 Lasa—Wood for fuel.
- 26 Trojita—Used as a table.
- 27 Nasa de Pasa—Fish-pot for deep water.
- 28 Nasa de Coricente—Fish-pot for strong streams.
- 29 Sobocan—Used for extracting the poisonous juice of the manioc for the purpose of making casava, a juice which is called casava (castripe), and when boiled loses its poisonous effect, and makes a very good sauce.
- 30 Molomillo—Swizzle-stick.
- 31 Yaqueiro—Tinder-box.
- 32 Fion—Mortar.
- 33 Bandola—A sort of guitar.
- 34 Bata—Tub.
- 35 Chirguas—Water jar.
- 36 Mapiro—Basket.
- 37 Manaro—Sieve.
- 38 Gallo—Cock.

- 39 El trago—The grog.
- 40 Gato—Cat.
- 41 Ferro—Dog.
- 42 Anoto—Anoto used for cooking.
- 43 Alespero—Jack Spaniard's nest.
- 44 Comajen—Wood lice.
- 45 Escovo—Broom.
- 46 Garabato—Hook.
- 47 Cuero de gato tigre—Tiger cat's skin.
- 48 Cama—bed.
- 49 Troja del viego—Old man's bed.
- 50 Etesa—Net.
- 51 Chinorro—Hammock.
- 52 Old Indian pasenal.
- 53 Ynes—Indian woman.
- 54 Canuto—Indian child.
- 55 Tramba—Used as a Jew's harp.
- 56 Betaque—Easy chair.
- 57 Arapas—Corn bread.
- 58 Totumus—Calabashes.
- 59 Cuero de Benco—Deer-skin.
- 60 Pecho de Piapoco—Tocan's skin.
- 61 Guareguaro—Fan.
- 62 Pala—Shovel.
- 63 Chicora—Used for digging holes.
- 64 Piedra de Moyaion—Stone for grinding cutlasses, &c.
- 65 Cochans—Spoons.
- 66 Andon—Hoe.
- 67 Rayo—Grater.
- 68 Tirita, Maranta (species of)—(outside of the stem of).
- 69 Mamure, *Cardiodia scandens* (aerial roots of).
- 70 Camuara, *Desmanthus Orycanthus* (scandent stem of).
- 71 Carima—*Pothos* (species of).
- 72 Maraca—Bango or Chac-chac used for dancing, accompanied by the bandola or guitar.
- 73 Chaguarama—Used as a mat (*Anaca olivacea*.)
- 74 Cortadera—(Species of) Scieria.
- 75 Tirita—(Leaf of) *Manicaria Saccifera*.
- 76 Cachipo leaves—(Species of) Maranta.
- 77 Pablio—Wax taper.

BERMUDAS.

AVENUE R., AREA 32.

GRAY, . Specimen of arrow-root.

SPECIMENS OF NATURAL PRODUCTIONS, &c.

- Pumice-stone.
- Bermuda arrow-root.
- Collection of marine productions.
- Model of Bermuda sailing-boat.
- Model of a hoop for a mast, for the boom to work in, in stead of a "goose-neck."
- Specimens of Bermuda palmetto plant.

SOUTH AUSTRALIA.

AVENUE R., AREA 30.

The BARROSA RANGE MINING Co. by Messrs. COODE BROWN, & Co. 10 King's Arms Yard, Moorgate St.—Stones of copper ore, as raised from the lodes. Sulphuret of copper, containing 40 per cent. of pure copper, raised in the Lyndoch valley, about thirty miles from Adelaide, South Australia.

GRAHAM & HALLETT, South Australia, Prop.—The

following articles are from the mines of Burra Burra:—

- 1 Red oxide of copper.
- 2, 3 Green carbonate of copper.
- 4 Red oxide and carbonate combined.
- 5 Red oxide and blue carbonate.
- 6 Strata in which the minerals occur.
- 7 Native copper.
- 8 Malachite and red oxide of copper.
- 9 Fibrous malachite.
- 10 Cabinet specimens, arranged.
- 11 Views of Burra Burra mine and smelting-house, and of the township.

The Burra Burra mines present one of the most striking examples of successful mining speculation with which we are acquainted. From indications which were regarded as the most favourable character, the mine was started on the 5th of September, 1845, with a capital of 12,320*l.*, subscribed by a few merchants and traders at Adelaide. The following returns of ore raised from the commencement of the undertaking to September, 1850, will exhibit the extraordinary success of this undertaking:—

	Tons.	Cwt.
September 30, 1845 . . .	6,359	10
" 1847 . . .	10,794	17
" 1848 . . .	12,791	11
" 1849 . . .	7,789	16
" 1850 . . .	18,692	9

Making a total in 5 years of 56,428 2 of copper ore, varying in quality from one containing 30 per cent. of copper to much that produces 70 per cent. of that metal. The money value of this is 738,108*l.*

Nearly all the copper ore raised at the South Australian mines has been hitherto sent to England, and smelted at Swansea; but there has been recently a smelting establishment introduced which promises to be of great advantage to the colony.

The number of people now employed at the Burra Burra mines are 1,003.

HALLETT, R. & SONS, Broad St. Ratcliff, London, Imp.—Articles from South Australia:—

- 1, 2 Wheat.
- 3 Hard soap.
- 4 Olive oil.
- 5 Five cases, containing specimens of opal and other rocks allied to precious stones.

- 6 Two samples of flour, and one of barley.
- 7 A dried bouquet of small native plants.
- 8 Specimens of stream gold, and gold in its matrix.
- 9 A case of polished stones, the produce of the colony.

WESTERN AUSTRALIA.—No Return.

AVENUES Q, R, & S, AREAS 30, 31, 32.

NEW ZEALAND.

AVENUES Q, R, & S, AREAS 30, 31, 32.

- TYRRE, —.**—Flax and wool.
- MURKINSON, J. H.** 10 Holles St. Cavendish Sq. Prop.—Copper ore from Kawan, a small island a few miles from Auckland, New Zealand.
- COLLINGSO, Rev. J.** Gateshead, Prop.—Geological specimens from New Zealand. Specimen of iron sand from New Plymouth, in New Zealand. Small bag made from New Zealand flax, by a lady in New Zealand. Flax prepared by the natives; native pattern and native dyes. Mat made of New Zealand flax; made by the natives, being their usual clothing.
- ROBERTSON, J.**—Specimens of raw materials, New Zealand flax (*Phormium tenax*), of various qualities.
- MCVAT, J.**—Specimens of leather and skins: G 4 Kip leather. 5 Crop leather. 6 Half-dozen sheep-skins. 7 One good sheep-skin (not tanned).
Specimens of tanning and black dyeing barks.
- SMITH, J. A.**—Specimen of soap, manufactured in Auckland, New Zealand.
- St. JOHN'S COLLEGE.**—No. 1 Specimens of cloth and hat made by a native lad, aged 17 years, from wool grown, clean, carded, spun, and woven at St. John's College, and dyed with native woods. 2 Hat made by Nicholas Cod, pensioner, Howick, New Zealand.
- Specimens of basket work: made by J. Meagher, pensioner, Howick.
- HARGREAVES, J.**—Specimen of lignite, from the banks of the Tamaki.
- GREENWOOD, W.**—Specimens of coal.
- CONNELL, W.** (as Secretary of the Auckland and Waikato Coal Company.)—Specimens of Waikato coal.
- TAYLOR, J.**—Geological specimens of the copper series from the Kawan Company's mine, Kawan.
- REYNE, J.**—Specimens of copper ore from Whitaker & Heale's mine, Kawan:—1 Yellow ore. 2 Blue ore.
- LEWIS, T.**—Specimens of copper ore: Specimens from great Barrier Island Mine, 35 miles N.N.E. of Auckland.
- SMITH, J. A.**—Two specimens from Brodie's mine, Mongonui, 100 miles to the northward of Auckland.
- Specimen of iron sand, obtained in large quantities in Cooper's Bay, Auckland.
- Specimen of sulphur, from White Island, Bay of Plenty, on the east coast of the Northern Island, New Zealand.
- MEURANT, E.**—Specimen of pumice stone, from the banks of the river Waikato.
- BROWN, W.**—Specimen of Kauri gum.
- GREENWOOD, W.**—Specimens of building stone.
- BROWN, W.**—Specimen of limestone, from Wangarei.
- SMITH, J. A.**—Specimens of Roman cement stone.
- Specimen of sharks' fin, in a native basket or kit. Specimens of flax seed and orchilla weed.
- BALNEAVIS, Lieut. H. C. H. M.** 58th Regt.—Model of New Zealand war pa.

JOHNSON, J.—Specimens of New Zealand furniture woods.

THE WAIKATO COAL COMMITTEE, Auckland.—Specimen of coal.

PURCHAS, Rev. A.—Specimens of iron ore and limestone

Low & MORRIS.—Specimen of native grown maize. Specimen of Maori wheat and flour.

CARADON, J.—Specimens of New Zealand flax: twine and line.

KING, Miss, New Plymouth.—Reticule, made of New Zealand flax, dyed from New Zealand woods, the pattern and work copied from the mat of a New Zealander.

LIGAR, C.—Model of White Island, New Zealand, in native sulphur, on a scale of 10 inches to a mile. Also a drawing of the place by C. Hesphy.

NEW SOUTH WALES.

AVENUES S, AREA 30.

BIDWELL, J. G. Government Commissioner of Lands, Zinana, Wide Bay, Australia.—A log of wood from the interior of Wide Bay district, north-east coast of Australia, the *Brigalia* of the squatters (Bricklow of Leichardt's Journey), a species of *Acacia*, probably undescribed.

BODGE, A. manufactured and forwarded by Messrs. J. and W. DAY, boat-builders and car-makers, New South Wales.—Two beef hams spiced and cured by Mr. J. Briears, Sydney. Specimens of colonial timber. Pair of ash oar and a pair of paddles manufactured of colonial wood.

BURCHETT, J. R. 15 Edmonton Cres. Edmonton.—A desk and a chess-board, of polished woods.

CALLAGHAN, — Attorney-General.—Two volumes of statutes, printed from types made in Sydney, and the books bound in Sydney.

CLINCH, J. 31 Abchurch Lane, Imp.—A set of bag-pipes, made by George Shearer, Sydney.

DUNBAR, O. Limehouse.—Samples of wheat flour from Port Phillip, New South Wales.

DUNBAR, —.—Preserved meats from Sydney.

DEVITT & MOORE, 9 Billiter St.—A coach wrench, made at Sydney.

DUNGEON & Co. 1 New Bank buildings.—Ores and specimens of woods from Sydney. Cured hams. Various samples of cotton grown near Maitland.

LEARNMOUTH, T. 40 Royal Cres. Notting Hill.—Four samples of Australian sheep's wool from New South Wales.

MACARTHUR, E. Lieut.-Col.—Case, containing 132 specimens of Merino wool.

MACARTHUR, Col.—Four views in New South Wales, one being of Camden, the original seat of Australian sheep husbandry, and now becoming celebrated for its vineyards.

MOSES, SON & DAVIS, 14 & 15 Aldgate High St.—Cask of Australian mutton tallow, and another of beef tallow, from the boiling establishment of Messrs. Benjamin and Moses, Sydney.

WATSON, YOUNG & Co. 2 Abchurch Lane, City.—Orchilla marrow beans; red beans. Enamelled hides, enamelled kangaroo skins, patent kangaroo skins, prepared by Thomas Hall and Co.

BLAND, Dr. Sydney.—Model of his invention for extinguishing fire arising from spontaneous combustion in wool ships.

VAN DIEMEN'S LAND.

AVENUE 8., AREAS 30, 31, 32.

DENISON, His Excellency Sir W. T.
1 Blue gum timber of Van Diemen's Land (*Eucalyptus piperita*). Equal to oak as a ship-building timber, and may be obtained in any quantity and of any dimensions up to 200 ft. in length. The two sections exhibited were taken from one tree at a distance of 134 feet apart.

2 Stringy bark of Van Diemen's Land (*Eucalyptus robusta*). Squared log 20 ft. long, 13 ins. by 12 ins. Forms for the most part of a large tree; timber coarser than the last, but abundant, chiefly used for house-building and fencing.

3 Blackwood, or lightwood, of Tasmania (*Acacia melanoxylon*). Squared log 20 ft. long, 12 ins. by 12 ins. A very hard close-grained dark and richly-veined cabinet wood, obtainable in any quantity and of the largest size, requisite for furniture and fittings.

4 Sasaparilla of Tasmania (*Atherosperma moschata*). Squared log 13 ft. long, 12 ins. by 12 ins. A soft, even, and close-grained timber, well adapted for turning and, probably, for the carver. Has been used for flooring-boards and in the inside work of houses, and for cabin fittings in ships. Obtainable in any quantity, of moderate dimensions.

5 Myrtle of Tasmania (*Fagus Cunninghamhami*). Squared log 12 ft. long, 12 ins. by 13 ins. This timber is plentiful, and may be obtained of any size. It is hard and close-grained, with a lively red tint, streaked and mottled near the root; takes a beautiful polish.

Aldcock, Mrs. W. Elizabeth St. Hobart Town.

6 Two canisters of preserved meat.

HAMILTON, —, Elizabeth St. Hobart Town—Mann.

7 Hall chair of blackwood (*Acacia melanoxylon*). Has a raised shield cut on the back, with kangaroo and emu for supporters, &c. tastefully carved in relief and polished.

8 Small round table, of Huon pine, with chess-board in the centre, the pedestal of Huon pine (*Dacrydium Frankii*). The chequers alternately of plain Huon pine, and wood of the she-oak of Tasmania (*Casuarina quadrivalvis*), with a border of blackwood, surrounded by a narrow string of myrtle, the whole enclosed with a band of figured pine.

PURSON, —, Mann.

9 Pier table or chiffonier, of polished blackwood. Intended to show the rich dark tints and veining of this wood, and the high polish of which it is susceptible.

FRASER, A. Collins St. Hobart Town—Mann.

10 One pair carriage wheels. The naves of the wheels are of blackwood, the spokes and felloes of birch gum, and for these purposes the two sorts of timber have been found admirably suited.

REEVES, J. G. Elizabeth and Macquarie St. Hobart Town.

11 Specimens of leather, viz.:—
Hides of black and brown harness leather. Kip. Kip waxed on the grain, and black-grained kip. Kangaroo-skins, grained, brown, and waxed. Calf-skins, waxed and brown. Black basia. Pair racks, cordovan horse hide. Sole leather.

These skins and hides are of Tasmanian production, and have been tanned and dressed at Mr. Reeves' establishment.

CHAMPION, —, Hobart Town.

12 Table of muskwood, eureka (*Olinis aster*), argophyllum of Tasmania. Round turnover table, with brasswork and springs entirely of Tasmanian manufacture; the muskwood of which it is made possesses great beauty.

DOUGLAS RIVER COAL CO.

13 Coal, two basins. Sample of the strong bituminous

coal occurring on the east coast of Van Diemen's Land, traceable over a large area of country, in seams varying in thickness from a few inches to ten feet and upwards.

BROWN, JOHN, Launceston—Mann.

14 Sideboard of blackwood of Tasmania. The timber of *Acacia melanoxylon* is considered to be more deeply veined and tinted on the northern than the southern side of the colony. It is called blackwood in Launceston, and lightwood in Hobart Town.

15 Top of star luo table. Composed of alternate-pointed sections of figured Huon pine and blackwood veneered on cedar. 148 pedestal.

16 Lady's table of muskwood. An elaborately-finished article of highly-polished muskwood, the top resting upon an inverted arch, turning on a pivot, and supported by a slender pedestal, with a tastefully worked collar.

STRAHAN, R. Bonnington.

17 Box of salt: coarse, for pickling, and table, or basket salt. A sample from which the magnesian salts are said to be thoroughly separated.

MURRAY, W. Liverpool St. Hobart Town.

18 Box of starch: the box of Huon pine, figured. There are now several starch manufactories in Hobart Town.

DIXON, J. Skelton Castle, Isla.

19 Flax, dressed in 1850. The exhibitor is endeavouring to establish the cultivation of flax in Tasmania.

20 Box of dried apples. More fruits are dried in the north than the southern side of Van Diemen's Land.

BUTTER, T. Launceston.

21 Samples of gins.

22 Concentrated solution of mimosa bark, extracted by cold water. This solution is considered in a great measure free from colouring matter, and from the principles which give a dark, uneven character to leather, rendering it brittle, and depreciating it in the English market.

23 Mimosa bark, ground. Bark of *Acacia molissima*. Bark of the black wattle, said to be the best bark for tanning.

DENISON, Sir W. T. Norfolk Island.

24 Box of tobacco in leaf.

25 Box of arrow-root.

26 Box of maize.

27 Cayenne pepper.

28—35 W heats: Farmer's friend, white velvet, James's Essex, Golden drop, white Kent, mother of plenty, velvet, and white Lammas.

MARSHALL, G. Noble Farm, Pittwater.

36—37 Samples of wheat and oats.

DENISON, Sir W. T.

38 Wheat (Chidham).

MILLIGAN, J. Oyster Cove.

39 Sasaparilla bark of Tasmania. Bark of *Atherosperma moschata*. Used medicinally as a bitter and stomachic.

MURRAY, W. Liverpool St. Hobart Town.

40 Mould candles.

M'NAUGHTEN, A.

41 Cask of velvet wheat.

LIPSCOMBE, F.

42 Cask of white Lammas wheat.

M'NAUGHTEN, A.

43 Cask of white wheat.

WALKER, J. Barrack Street, Hobart Town.

44 Cask of white wheat. Cask made of silver wattle, with hoops of young wattle.

BROWN & Co. New Wharf.

45 Cask of white wheat. Cask of Huon pine, hooped with black wattle (*Acacia molissima*).

46 Cask of white wheat. Cask made of black wood, with hoops of black wattle.

- Toorn, E. Bagdad.
- 47 Cask of malt.
PATTERSON, —, Liverpool St. Hobart Town.
- 48 Cask of small malt. Cask made of silver wattle, wattle hoops.
WALKER, J. Barrack St. Hobart Town.
- 49 Pearl barley. Cask made of silver wattle, wattle hoops.
CLAYTON H. Norfolk Plains.
- 50 Flour. Cask made of silver wattle, wattle hoops.
WALKER, J. Barrack St. Hobart Town.
- 51 Fine flour. Cask made of silver wattle, with hoops of young black wattle.
M'NAUGHTEN, —
- 52 Superfine flour of Van Diemen's Land.
MILLSGAN, A. M. Launceston.
- 53 Small cask of biscuit, made of Tasmanian flour.
BROCK, —, Macquarie St. Hobart Town.
- 54 Common seamen's biscuits.
- 55 Fine ship biscuits.
DENISON, Sir W. T.
- 56—65 Muskwood (*Eucalyptus argophylla*), smoothed and polished on one side to show the grain. The muskwood of Tasmania is valuable for the purposes of the cabinet-maker, being variously veined, dotted, and marked upon a brown-ground colour. It is close and fine in the grain, takes a high polish, and harmonizes well with the gilding on picture-frames, into which it is often worked up. The musk-tree grows only in dense forests and damp situations; and though it does not attain the size of a forest tree of Van Diemen's Land, it yields slabs large enough for ordinary ornamental work.
- 66 Slab of myrtle, of Van Diemen's Land (*Fagus Cunninghamii*). The myrtle of Van Diemen's Land often composes dense forests of many miles, and the individual trees in such situations attain a girth of 30 to 40 feet with a proportionate elevation. The wood is of a fresh pink colour when newly hewn, and the wood part is often very beautifully veined and watered, fitting it admirably for showy picture-frames, and such like cabinet-work.
- 67—70 Cedar, or pencil pine, of Tasmania, Marlborough (*Abrotaxis selaginoides*), and Lake Country. Found in the ravines and gorges of the mountain, and on the high table-land of the colony, in groups, or singly; sometimes in the forests, and not unfrequently in bare, unsightly groves; of dead, dry, and bleached stems, with a few large limbs attached, 3000 to 4000 feet above the level of the sea.
- 71—72 Sections, with bark.
- 73 Celery-topped pine of Tasmania (*Phyllorhynchus asplenifolia*). The celery pine attains a height of 150 feet, and grows in all the cold and moist parts of Van Diemen's Land, in a handsome pyramidal form. The timber is beautifully white, and very close in the grain; useful for household purposes.
- 74, 75, & 76 Section with bark, 12 inches in diameter. The same, 12 inches in diameter. Rosewood or zebra-wood, of Tasmania. Said to be plentiful about Marlborough and Lake Country.
- 77 Muskwood log, from Tasman's Peninsula.
SMITH, C. T.
- 78 Hops, Tasmanian.
MILLSGAN, J. Mount Wellington, and Constitution Hill.
- 79 Hones for edged tools.
DENISON, His Excellency Sir W. T.
- 80 A drip-stone, from Norfolk Island. Filters made of this rock, which appears to be a raised beach of calcareous grit; are in general use here, and much approved.
- MILLSGAN, J. Flinders' Island, in Bass's Straits.
- 81 Gum: gum resin of the grass tree (*Xanthorrhoea Aus-*

tralis). The gum resin, or balsam, is highly inflammable, yielding, on combustion, a clear white flame and rich fragrant odour, said to be used in churches in place of frankincense; dyes calico a nankin colour; is used in making sealing-wax, and may become the basis of a varnish. Very abundant on many of the meagre soils of clay and sand in this and the neighbouring islands and continent.

- FOWLER, —, Maria Island.
- 82—85 Dogwood slabs (*Bedfordia*).
- 86, 87 Muskwood slabs (*Eurylia*, or *Astor argophyllum*).
- 88 He-oak.
- 89 Ironwood, or *Lignum vitae* of Tasmania (*Notela lignustrica*).

ROBINSON, —, Westbury.

90 A gun-stock of blackwood. Roughly cut into form, and polished on one side to show the grain of the wood.

- WHITFIELD, —, Hobart Town.
- 91 Blackwood of Tasmania, polished on one side.
- 92 Myrtlewood.
- 93 Muskwood.

QUINN, —, Argyll St. Hobart Town.

94 Blue gum of Van Diemen's Land (*Eucalyptus piperita*). A piece taken near the root, squared and polished to show the grain.

- QUINN, —, Norfolk Island.
- 95 Maple. Small piece of veneer, polished.
M'NAUGHTEN, —, Hobart Town.
- 96—102 Muskwood of Van Diemen's Land (*Eucalyptus argophyllum*).

HADDER, Capt. R.E.

103, 104 Muskwood of Van Diemen's Land.
EUSTON & MILLSGAN, Macquarie Harbour.

105, 106 Ironwood, or *Lignum vitae* of Tasmania. Cross section of the trunk of the tree, being the largest ever met with. It rarely attains a diameter of more than 12 to 14 inches.

BROWNES, —.

107, 108 Muskwood slabs.
BURGESS, Mrs. Davey St. Hobart Town.

109 Worsted work, representing a branch from a blue gum tree in flower (*Eucalyptus piperita*) with four birds of Tasmania perched on the twigs. The birds represented are a red-breast, a small honey-sucker, a pardalote, and the blue-headed wren. The frames of this and the next are of the timber of the myrtle-tree of Van Diemen's Land, and made by Mr. Pearson, of Hobart Town.

110 Worsted work, representing a group of indigenous flowers of Tasmania. In the centre is the warratah (*Telepea truncata*); immediately over it is a head of the grass-tree of Mount Wellington in flower (*Richea diacophylla*); then in order, *Acacia verticillata*, *Billardiera scandiflora*, *Acacia armata* (an exotic, *Richea* sp., *Acacia mollissima*, *Acacia verticillata*, *Casuarina quadrivalvis*, *Pomaderris*, *Boronia variabilis*, *Tetratheca* sp., *Pultanea*, sp., and *Solanum laciniatorum*).

- HOOD, E. V. Liverpool St. Hobart Town.
- 111 Timber of silver wattle (*Acacia dealbata*). One side polished.
- 112, 113 Muskwood slabs.
- 114, 115 Blackwood slabs, squared (*Acacia melanoxylon*).
- 116 Cross section of small tree of Huon pine. One corner smoothed and polished.
- 117 Huon pine slab (*Dacrydium Franklinii*). Squared and polished.
- 118 Muskwood slab (*Eurylia argophyllum*). Squared and polished.
- 119 Myrtle-root slab (*Fagus Cunninghamii*).
- 120 Myrtle slab, from the stem of the tree.

DENISON, His Excellency Sir W. T.

121 Rosewood of Van Diemen's Land (*Acacia* sp.) Found in the Lake Country near Marlborough.

- 122, 123 Rosewood of Van Diemen's Land.
 124 Celery pine slab, squared (*Phyllocladus asplenifolia*).
 125 Rosewood.
 HOOD, R. V.
 126, 129 Huon pine picture-frame; gilt moulding, the gold-leaf made by Mr. Hood. Myrtlewood picture-frame.
 127 Muskwood picture-frame.
 MARRIOTT, Archdeacon.
 128 Muskwood picture-frame.
 WISEMAN, —, Hobart Town.
 130 Whip. Thong of colonial leather, and the stick a young *sassafras* of Tasmania.
 131 Ladies' riding whips. Of whalebone, tipped with silver, by Mr. Jones.
 132 Stock-hunting whip. Thong of colonial leather, stick of she-oak.
 133 Stock-hunter's-saddle, of colonial cow-hide, prepared in Hobart Town.
 134 Stock-hunter's breastplate.
 BURTON, T. Launceston.
 135 Dressed kangaroo skins.
 DENISON, His Excellency Sir W. T.
 136 Roll of Tweed. Colonial material, manufactured by the inmates of Cascades' establishment.
 137 Hank of yarn.
 QUEEN'S ORPHAN SCHOOLS.
 138 Woollen gloves, knitted. Manufactured by the children.
 139 Woollen socks, knitted.
 140 The same, unbleached.
 141 Woollen stockings, knitted.
 142 Shawls, knitted.
 BARKARD, J.
 143 Swansdown, two skins.
 CLEBURNE, R. Murray St. Hobart Town.
 144 Samples of soap.
 LUMBOER, —, Brisbane St. Hobart Town.
 145, 146 Loo-table top of Huon pine, and pedestal for the same.
 WATCHORN, W. Liverpool St. Hobart Town.
 147 Tallow. The exhibitor claims to have been the first to export tallow to England from the colony.
 DENISON, Sir W. T.
 149 Loo-table top, dogwood (*Bedfordia* sp.) The dogwood, or *Bedfordia* tree, is one of the richest-looking and most beautiful fancy woods of Van Diemen's Land. It attains to a larger size on Maria Island than elsewhere. In the vicinity of Hobart Town it is a mere shrub.
 150 Pedestal for the same.
 151 Top of a sofa-table, inlaid with chess-board in the middle.
 ROUT, W.
 152 Portmanteau. Made of colonial leather.
 GUNN, W. Launceston.
 153 Feathers of mutton-birds, or sooty petrel (*Puffinus bresiliensis*). Much used for pillows, bolsters, and mattresses. From the almost inconceivable numbers in which this bird resorts to the islands in Bass's Straits, and the profusion of feathers with which it is clothed, there is no difficulty in obtaining the commodity in any quantity.
 ROUT, W. Elizabeth St. Hobart Town.
 154 Small rope line.
 155 Small lines of three sizes.
 156 Best small rope of three sizes.
 157 Cable-laid lines of three sizes.
 158 Common lines of two sizes.
 MARSHALL, —, Hobart Town.
 159 Common riding-whip. Made entirely of colonial material.
 160 Gig and hunting-whip thongs, made of horse-hide dressed in Hobart Town.

- OARDEN, P. Launceston.
 161 Wool, two fleeces, Leicester improved. The produce of sheep imported from the best flocks in England in 1837, and now forwarded to show the improvement in softness and silky appearance, attributed to the superiority of climate.
 162 Glna. 163 Neat's foot oil. 164 Sheep's trotter oil.
 HOOD, R. V.
 165 Gold leaf. Manufactured from Californian gold, brought to Tasmania by colonial trading vessels.
 166 Gold-beaters' skin.
 M'KENZIE, Mrs. Blue Hills, Bothwell.
 167, 170 Knitted gloves, made from opossum fur. Lady's cape of opossum fur.
 SLEIGELTZ, Mrs. Killymoon, Break-o'-day.
 168 Gloves, made from opossum fur.
 TOOTH, E.
 169, 171 Gloves, made from opossum fur and lambs' wool.
 BURTON, T. Launceston.
 172 Parchment.
 ROUT, W.
 173 Brushes, one set of four.
 LIPSCOMBE, F.
 174 Flax, dressed.
 SHARLAND, W.
 175 Carriage-rug. Made of skins of the black opossum, lined with skins of the native cat.
 DENISON, Sir W. T.
 176 Rug of various furs. Made of skins of the brush-kangaroo (*Halmaturus Bennettii*), forest kangaroo (*Macropus major*), black opossum (*Phalangista fuliginosa*), native cat (*Dasyurus viverrinus*), tiger-cat (*D. maculatus*), well preserved, and amongst them some specimens of great rarity and beauty.
 PHARLAND, Mrs. George Town.
 177 Book of pressed algae, collected by the exhibitor.
 DAVIES, Archdeacon.
 178 Rug of skins of black opossum (*Phalangista fuligi-nosa*).
 179 Rug of tanned skins of brush-kangaroo.
 MILLIGAN, J.
 180 Carpenter's bench-screw.
 181 Three pairs of shoe-lasts.
 VALENTINE, Dr. Campbelltown.
 182 Organ-pipes of Huon pine, bored in the solid, with stops, &c. Two of these are bored in solid pine, and are found to yield a softer and more mellow tone than those made of woods which are soft and spongy in the grain. It is considered that, being free from joints and glue, the tube will be less affected by atmospheric changes. The wood, too, of the Huon pine, is very durable, and, when properly seasoned, it is little influenced by atmospheric agencies. This pipe is therefore not likely to be often out of tune. The small pipe has a stopper, which being removed, the octave above will be produced. Mr. Valentine regards the stopped pipe as a novelty, and observes, "it gives a very soft note, well adapted for the treble half of the stop-diapason of a chamber-organ." No. 3 is but to show how an open pipe of the usual construction may be tuned by means of a stopper, without injury to its size.
 WARD, C. Collins St. Hobart Town.
 183 Stockman's ankle-boots, of colonial material.
 REDAN, —, Liverpool St. Hobart Town.
 184 Nine dressed kangaroo skins, tanned with wattle bark.
 HARPER, —, Launceston.
 185 Prepared groats.
 WARD, C.
 186 Blacking for shoes.

ROUR, W.
187 *Thylacynus cyanocephalus*: tanned skin with hair on. The hyena, or tiger of the colonists, which has become very scarce.

DEMSON, SIR W. T.
188 *Ornithorynchus paradoxus*: six tanned skins. The platypus of colonists: the fine fur under the coat of long hairs upon its back is said to be equal to the fur of beaver for hat-making.

SARRIS, C. T.
189 Sample of fine wood.

DUNN, —, Davey St.
190 *Mylitta Australis*, obtained on the Snug Estate, North West Bay, D'Entrecasteaux Channel. Native bread of Tasmania, grows under ground, like the truffle in England, and, like it, has a peculiar smell. Edible, having formed, in a half-roasted state, a portion of the diet of the aborigines. Has been tried with approval in soup and in puddings by Europeans. This specimen is unusually large, having weighed 14½ lbs. in 1846.

LOWRY, T. Y.
191 *Mylitta Australis*, obtained at Glenorchy seventeen years ago.

M'NAUGHERY, —.
192 Writing-desk, muskwood, inlaid with pine, blackwood, she-oak, and myrtle.

193 Dressing-case, or work-box, of the same materials.
194 Necklaces of shells, as worn by aborigines of Tasmania. The shell composing these necklaces seems closely allied to *Phasianilla*. It is very abundant in the various bays and sinuosities. It possesses a nacreous brilliant lustre, which is disclosed by the removal of the cuticle, and this the aborigines effect by soaking in vinegar, and using friction. Various tints, black, blue, and green, are afterwards given by boiling with tea, charcoal, &c.

WALKER, ANZ. Norfolk Plains.
195 Plumbago, black lead. Found in a shaft sunk in pursuit of indications of galena and copper ore, in a seam or vein about 5 inches thick, traversing schistose clay, overlying an old quartzose and crystalline limestone, in which the lodes of lead and copper are expected to be realised.

ROLWEGAN, —, Collins St. Hobart Town.
196 Book, printed and published in Van Diemen's Land, bound in colonial calf, gilt and lettered with Californian gold, manufactured in Hobart Town into gold leaf.

MILLIGAN, J. Argyll St. Hobart Town.
197 Tasmanian Journal, three volumes, printed and published in Van Diemen's Land.

200 Snuff-box, turned of ironwood (*Olea apatala*).
201 Another, of muskwood of Tasmania (*Eurebia argyphyllum*).

202. Another, of Huon pine.
203. Another, globular, turned out of the tooth of the sperm whale.

204 Ladies' thread-holder; 205 Ladies' puff-box; 206 Goblet.

ANDERSON, —, Liverpool St. Hobart Town.
198. Set of ladies' tortoiseshell combs.
BROWN, FIELDS, —, Hobart Town.

199 Candlestick, turned of ironwood of Norfolk Island (*Olea apatala*). The tops of the root of the Norfolk Island pine (*Arcaucaria excelsa*).

MOSES, S. Liverpool St. Hobart Town.
207 Jaw of a sperm whale, with forty-eight teeth complete.

HULL, HUGH.
208 Half section of the trunk of the Tolosa tree (or *Pittosporum bicolor*). This is the wood of which the aborigines chiefly made their waddies or clubs.

217, 218 Half sections of a limb of honeysuckle.
219, 220 Half sections of a small she-oak tree.

M'NAUGHERY, —.
209 Muskwood slab.

FREEMAN, Rev. E. Brown's River.
210, 211 Veneer, of the oak of Tasmania (*Casuarina quadrivalvis*).

212 Piece of a knot of myrtle-tree of Tasmania.
213 Veneer of she-oak of Tasmania (*Casuarina stricta*).
214 Two veneers, of native cherry-tree of Tasmania (*Exocarpus cupressiformis*).
215, 216 Veneers of Tasmania honeysuckle-tree (*Banksia Australis*).

MILLIGAN, J.
221 Section of a small stem of *Richea pandanifolia*, obtained at Macquarie Harbour. Specimen, sliced, bevelled, and French-polished, to show the pith, medullary rays, and beautiful markings of the wood. This plant grows like a palm, and attains the height of thirty and forty feet and ten inches diameter—confined to the dense wet forests on the western side of the island.

223 Specimen of pinkwood (*Carpodostemon lucida*) obtained at Macquarie Harbour. Attains an elevation of 100 to 150 feet in height with a good clear barrel—grows chiefly on the western side of the island in dense myrtle forests; the timber is fine grained and remarkably hard; has been used for making sheaves for ships' blocks.

227 Butter-print of Huon pine.
230 Seven baskets, made by the aborigines of Tasmania.
231 Model of water-pitcher, made by the aborigines of Van Diemen's Land, of the broad-leaved kelp. Often made large enough to hold a quart or two of water. The only other vessel possessed by the aborigines for carrying a supply of water was a sea-shell—a large cymba—occasionally cast upon the northern shore of Van Diemen's Land, which would contain about a quart.

SMITH, P. Ross Reserve.
222 Small bale of wool.

PECK, GEORGE.
224, 225, 226 Cribbage boards, veneered on pine, inlaid, &c.
MOSES, CHAMPION & Co.
228 Eight ivory teeth of sperm whale.

DEMSON, SIR W. T.
229 Maple of Norfolk Island—square specimen.

STRUTT, W. Bath St.
232 Marble, from Maria Island, partially dressed.
BOYD, J.

233 Marble, from Maria Island, cut and dressed as paper weights.

TINES, —, Goulbourn St. Hobart Town.
234 Specimens of crockery-ware, made from the clay found in the domain.

KERRIDGE, R. Q. Mona Vale.
235 Small bale of wool—very fine sample.

JACKSON, J. D. Liverpool St.
236 Churn, made of Huon pine.

MOSES, S.
237 Bundle of whalebone; an important article of export.
SARRIS, Lieut. R.N.

238, 239, 240, 241 Raspberry and currant, green gooseberry, red gooseberry, and quince jam.

ROAR, W.
242 Bundle of curled horse-hair.

SYMONS, E.
243, 244 Corn and barley riddles, coarse.
245 Corn sieve, fine.

246 Fire-screen, for chair-back; made of willow, grown, dressed, and dyed in Van Diemen's Land.

247 Bottle basket, flat; 248 Bundle of willow rods; 249

Fishing basket; 250 Three doubled-handled baskets; 251 Book basket; 252 Knife basket; 253 Child's basket, round.

MILLIGAN, J.

254 Gum of Acacia (*Mucronata*). A shrubby tree on Flinders' Island, Bass's Straits.

255 Guano, from Habel Island.

256 Specimen of grey granite, from Flinders' Island.

257 Granite, from east coast of Van Diemen's Land.

258 Granite, from Hampshire Hills.

259 Porphyritic granite, from Webb's Harbour.

260 Limestone, from Fingal and Break-o'-day.

261, 262 Limestone, with galena, from Norfolk Plains.

263 Brown-clay iron ore, near Fingal.

264 Clay iron-stone. In beds, alternating with bituminous coal, near the Douglas river, on the east coast of Van Diemen's Land.

265 Ruddle—red ochre or red chalk. Occurs in masses of uniform and determinate shape, imbedded in alluvium of loam and earth.

266 Ore of iron, from Hampshire Hills; magnetic. Nearly pure iron; seems crystalline; highly magnetic with polarity; occurs in masses, at the line of contact between granite and basalt.

267 Ore of iron. Found in nodules with quartz, in granite soil, near the Houslop Mountain, north-west of Van Diemen's Land; formerly used by the aborigines of Van Diemen's Land as a paint; first peroxidized by roasting, and then reduced to a fine powder by grinding between two stones.

268 Ore of manganese, from the vicinity of the Frenchman's-cap Mountain.

DENISON, Sir W. T.

269 Two cross sections of the barrel of the blue gum-tree.

270 Limestone, from Maria Island.

FLZOG, R. C.

271 Wellington boots of Kangaroo skin, dressed in Hobart Town.

DENISON, Sir W. T.

272 Specimen of calcareous grit, from Norfolk Island.

MILLIGAN, J.

273 Cake of bees'-wax, of Tasmania.

274 Four models of canoes of aborigines of Van Diemen's Land. These are exact models of the large catamarans in which the natives used to cross to Brunel Island: the material is bark of the *Melaleuca squarrosa*.

STROMDS, E.

274—278 Key basket; round basket, open; long basket; straw hat, from Norfolk Island; hoop for a sieve, made of Huon pine.

COX, F.

280 Case of Tasmanian insects.

BOWNEY, —.

281 Case of Tasmanian birds.

GURK, W., & MILLIGAN, A. M., *Lancaster*.

282 Oil of the mutton bird, or sooty-petrel (*Puffinus brevicornis*). An oil of a deep-red colour, obtained by pressure from the stomach of the young bird. It is said to possess virtue as a liniment in rheumatism, and it burns with a clear bright light. The sooty-petrel frequents certain low sandy islands in Bass's Straits, in inconceivable numbers during the summer, burrowing to lay its solitary egg, and literally undermining the ground.

BROWN & Co.

283—285 Samples of oil of southern black whale, sperm whale, and black fish.

LOWEY, T. Y.

286 Oil of the shark.

DENISON, Sir W. T.

287 Blood juice, obtained from a tree in Norfolk Island.

Makes an indelible marking-ink, and is said to be used as a dye for calicoes, &c.

MILLIGAN, J. & HULL, H.

288 Gum-kino, from the blue gum-tree, the stringy bark, and other eucalypti. Equal, as a medicinal agent, to the kino from the East Indies, and yielded very profusely by the eucalypta, after incision or injury.

BOWNEY, —.

289 Manna. An exudation from the leaves and delicate succulent twigs of the white gum-trees of Van Diemen's Land, after a perforation by an insect in the summer. It soon exiccates, and falls in the form of irregular tears; and during December, January, February, and March is usually very abundant. Its properties are similar to, but less powerful, than those of the manna of the druggist.

ABBOTT, J.

290 Iron-sand, a fine emery-like substance, occurs in thin layers on the sea-shore at Long Bay in D'Entrecasteaux-Channel, a deposit from water passing through iron-stone beds, percolating the soil, and depositing the metallic matter where it comes in contact with the salt water.

ROUR W.

291 Honey of Tasmania. 1849 and 1850.

292 Bees'-wax, Tasmanian. Three cakes, unbleached. In no country in the world do bees thrive better than in Van Diemen's Land, or prove so productive with a trifling amount of attention; circumstances due, no doubt, to the mildness of the winter season, and the fact of many Tasmanian plants blooming throughout the winter months. The bee has now become naturalised in the forests, and many of the hollow trees are filled with the produce of their labour.

MILLIGAN, J.

292 Resin of Oyster Bay pine (*Callitris Australis*); a delicately white resin, sometimes, but rarely, in tears of a bright amber tint, scarce. The Oyster Bay pine is only found along a narrow strip of country near the sea, on the east coast of Van Diemen's Land, and islands adjacent.

BICHENO, J. E.

294 Alum, from near Bridgewater; occurs as an efflorescence in caverns in the clayey rocks.

SMITH, Lieut., R.N.

295 Epsom salts, sulphate of magnesia, found in caverns on the side of the Dromedary Mountain, near the Derwent.

296 Gum of the wattle-tree; *Acacia mollissima* and *Dealbata*. Wattle gum exudes in streams during the summer season from fissures and accidental injuries to the bark, soon hardening into tears and lumps of various size. It is equal to the gum-arabic of the shops, for all purposes to which the latter is applicable.

LIPSCOMB, F.

297 Ham, cured by Mr. Marshall.

HAINES, J., *Murray St., Hobart Town*.

298—303 Pickles:—illed cabbage; walnuts; cauliflower; onion; mixed; tomatia sauce.

DENISON, Sir W. T.

304 Walking stick, made of the solid side of the bone of a whale, the head turned out of the tooth of the sperm whale.

SCREEEN, T.

305 Walking stick, made of the solid side of the bone of a whale.

MILLIGAN, J.

306 Iron ore, from Long Bay; occurs in a bed about 7 or 8 feet thick, over sandstone, and at the foot of greenstone hills.

MARRIOTT, Arch.

307 Walking stick, of the oak of Tasmania (*Casuarina quadrivalvis*).

LIPSCOMB, F.

308 Small round table, Huon pine, inlaid.

DE LITTLE, R.

- 309 Galena, from the Tama River.
310 Iron ore, three specimens, found near York River, over limestone.

MILLSMAN, J.

- 311 Galena, from Macquarie Harbour; occurs in a vein of mountain limestone, in the channel of Franklin River.
313 Opal wood, salt-pan plains. 315 Rock crystal (sp. 25).
316 Bergh (*Agua marina*), 30 specimens. 317 Straw-coloured topaz, 300 specimens. 318 Yellow topaz, 40 specimens. 319 Pink-coloured topaz, 30 specimens.

REEVES, —

- 314 Wattle bark, chopped, as it is prepared for the tannin.

DENISON, Sir W. T.

- 312 Coffee, from Norfolk Island.

KEMP, GEORGE.

- 320 Cornelian, from the margin of Derwent, opposite Hobart Town.

SPEARLAND, W. S.

- 321 Thread lace, made by a girl eleven years of age, at New Norfolk.

REEVES, —

- 322 Wool. Sample of skin-wool. 323 Another, scoured.

MILLSMAN, J.

- 324 Jet, or lignite, from Macquarie Harbour. 325 Limestone, from the Gordon River.

BICHENO, J. E.

- 326 Limestone from the Mersey River.
327 Limestone from the foot of Mount Wellington range.

ATKINS, Lieut., R. E.

- 328 Section of Norfolk Island pine (*Aracaria excelsa*).

SLY, J. Liverpool St. Hobart Town.

- 329 Pair of dress boots.

FENTON, Mrs.

- 330 Honey of 1850.

DOWLING, H.

- 331—333 Books:—Tasmanian Calendar, 1848, 1849, 1850.

DENISON, Sir W. T.

- 334 Potash from Tasmanian timbers.
335 Red ochre, Norfolk Island.
336 Yellow ochre, Norfolk Island.
337 Specimens of marble.
338 White oak timber of Norfolk Island.
339 Specimens of timber of pine of Norfolk Island (*Aracaria excelsa*).

- 340 Specimens of iron-wood timber (*Olea apetala*).

MILLSMAN, J.

- 341 Specimen of timber of Oyster Bay pine (*Callitris Australis*).

- 342 Specimen of greenstone, from Fingal, Van Diemen's Land.

BLACKBURN & THOMSON.

- 343 Model of bridge across the river Derwent, at Bridgewater, Van Diemen's Land, on the line of road between Hobart Town and Launceston.

THOMSON, JAMES.

- 344 Coloured sectional elevation of the bridge and causeway at Bridgewater, Van Diemen's Land.

COUNCIL OF THE ROYAL SOCIETY OF VAN
DIEMEN'S LAND.

345 Books and bookbinding; papers and proceedings of the Royal Society of Van Diemen's Land, printed by Messrs. Best, and bound by Mr. Rolwegan, Collins St. Hobart Town; the lithographs by Mr. T. Brown, Macquarie St. Bound in colonial calf-skins, tanned and dressed by Mr. Reeves. Gilt and lettered with gold leaf, manufactured from Californian gold, by Mr. E. V. Hood, Collins St. Hobart Town.

WATSON, JOHN, Hobart Town.

346 Plank of blue gum (*Eucalyptus piperita*); length, 146 ft. breadth 30 in. depth 6 in.

GRANT, J. Tulluchgorum, Fingal, Van Diemen's Land.

Three ram fleeces—1 Fleece from a hogget ram, weighing, after being scoured, 3 lb. 10 oz. 2 Similar fleeces, weighing 3 lb. 11 oz. 3 Fleeces from an older ram, weighing 4 lb.

RICHARDSON BROTHERS & Co. 17 St. Helen's Pl.—Specimens of two sorts of wool.

LABUAN, AND OTHER PARTS OF THE
EASTERN ARCHIPELAGO.

GREY, The Countess.—Cloth manufactured by the Seribas, in Borneo. Cloth made by the Mellanocs, in Borneo; sent home by Governor Sir James Brooke.

HAMMOND, W. P. & Co. Merchants, London.

Specimens of sugar; coffee; sago, pearl; sago, common; sago, flour; pepper, black; pepper, white; nutmegs; mace; cloves; gambier; cutch; gum gamboge; gum benjamin; gum lac; rice; tortoiseshell; turtleshell; M. O. P. shells; elephants' teeth; elephants' grinder; gutta percha; gum caoutchouc, or India-rubber; gum damma; isinglass, manufactured in the Archipelago from the interior membranes of fish, and valued on account of its highly glutinous character.

A series of thirty-six paintings, by a Malay artist.

A model made to scale of a sailing-boat used by the natives in the China Seas and Eastern Archipelago for the purposes of smuggling and piracy.

Specimens of rattans, bamboos, &c., grown in and imported from the Eastern Archipelago.

GOLD COAST AND ASHANTEE.

Weaving and spinning instruments of Gold Coast. Plantain fibre. Cotton cloths from Gold Coast. Cotton cloth printed with native dye from Ashantee. Silk cloth woven in Ashantee from thread obtained by unravelling imported silk goods. Copper figures used as gold weights by Ashantees. Gold ornaments from Gold Coast. Pottery from Gold Coast used for cooking, &c. Pipe heads and pipe stem from Gold Coast. Leather pouch from Gold Coast. Grass cloth from Gold Coast. Mixed grass and cotton cloth from Gold Coast.

FOREIGN STATES.

AUSTRIA.

COAL.—Coal is found in Austria in constantly increasing quantities, particularly in Bohemia, Moravia, Silesia, Lower Austria, and Hungary.

Bohemia takes the first place as to the quantity, and partly, also, as to the quality of its coal, nearly half of the total quantity of the coal and brown coal produced in Austria being Bohemian.

1 **MISERACH, A.** Vienna, Prop.—Coals, brown coals, and lignite, from Lower Austria, Upper Austria, Styria, Moravia, and Hungary. Alum.

Sulphur is obtained in Austria in constantly increasing quantities; latterly, however, the consumption has become greater than the production, and, consequently, the imports of this article, so much required for chemical purposes, have exceeded the exports.

Cobalt and nickel antimony have recently been likewise supplied on an increasing scale by Hungary. Several samples from its mines, which have only been worked for the last few years, are in the Exhibition.

Copper is obtained in larger quantities in Hungary than in any other parts of the monarchy; lead in Carinthia and Bohemia; tin almost exclusively in Bohemia; quicksilver from Idria in the Littoral, and from Hungary, and arsenic from Salzburg; of all of which samples are exhibited; as also of Bohemian garnets, a universally known and very ancient products of the mines of Bohemia.

2 **IMPERIAL MINES, Vienna.**—Mercury and cinnabar, and ores of the same, from Idria. Sulphur from Swosowice in Galicia, and Radoboj in Croatia. Rosette-copper, from Agordo in the province of Venice and Moldava. Blistered copper, from Schmölnitz in Hungary. Tin, from Schlaggenwald in Bohemia. Litharge, from Pribram in Bohemia. Zinc, antimony, and similar mining produce.

3 **UPPER HUNGARIAN MINING ASSOCIATION, Schmölnitz, Hungary.**—Quicksilver, refined copper, block copper, and various other similar productions for smelting.

4 **SZUMRAK, J. F.** Neusoh, Hungary, Prop.—Cobalt and nickel ores, from Boosa, together with the residues obtained from the same. Calcareous slate, from Molina in Hungary.

Analysis of the above residue;—

<i>Ferdinand level.</i>	<i>Dreibrüder level.</i>
The raw ore contains 61·8 per cent. residue.	The raw ore contains 54·8 per cent. residue.
The residue:—	The residue:—
Nickel 22,546	Nickel 17,224
Cobalt 19,886	Cobalt 16,430
Copper 9,719	Iron 8,102
Iron 15,403	Bismuth 7,644
Arsenic, sulphur, &c. 32,446	Copper 2,101
	Arsenic, sulphur, &c. 48,499
100,000	100,000

5 **KOCHMESTER, F.** Pesth, Hungary, Prop.—Two kinds of syngony nickel from Hungarian ores; red and black oxide of cobalt. The varieties contain 97 and 98 per cent. of the pure metal.

6 **SAPF, A.** (Manager of the Philipp Jabobi Mine) Rosenau, Hungary.—Nickel ore.

7 **ZEMERKO MIKŠ,** Dobechan, Hungary.—Ore of cobalt and nickel. Flower of cobalt, and nickel.

8 **KEROVYZ, J.** (Manager of the Johannes Mine) Rosenau, Hungary.—Nickel ore.

9 **BATEA, W.** Prague, Bohemia, Manu.—Bohemian mineral produce. Ores of uranium, nickel, vanadium, and cobalt, oxide of iron, and various minerals.

10 **SEER, S.** (Manager of the Michaeli Mine) Rosenau, Hungary.—Antimony, and antimony ores.

11 **GRUBBERGER, F.** (the Francis Smelting-works) Metzenseifen, Hungary.—Regulus of antimony.

12 **SZOLLENT, C.** (Bistritzer Smelting-works) Rosenberg, Hungary.—Regulus of antimony.

13 **VOLDERAUER, G.** Salzburg, Prop.—Arsenic ore. White and yellow arsenical glass.

14 **HOCHBERGER, J.** (St. Procopi Mineral Works) Kahn, Bohemia, Prop.—Sulphate of iron. Alum and sulphur.

15 **SCHÖNBORN, E.** Count of, Dlaszowie, Bohemia, Prop.—Rough Bohemian garnets (*Pyrope*).

16 **RANDWITZ, the Duke of, Prince of Lobkowitz** Bilin, Bohemia, Prop.—Rough-cut and pierced Bohemian garnets (*Pyrope*).

The production of chemical preparations, especially of those which have been brought forward by the great progress of manufactures in general, has latterly, owing to this impulse, furnished important results. Bohemia has especially distinguished herself by the manufacture of colours, and of chemical preparations used in dyeing, whilst Vienna has not remained behind. Several of these productions, acids, and easily inflammable articles, saltpetre, phosphorus, &c. are not exhibited, on account of the danger of carriage.

Especially worthy of notice are—

White lead, which Carinthia produces, and exports in large quantities.

Culinary salt, of excellent quality, from the inexhaustible mines of Willicza and Bochnia, which produce annually 600,000 cwt., and are capable of greater extension. Salt is a State monopoly in Austria.

Colours and their compounds are produced in all parts of the monarchy in considerable quantities; but the samples forwarded for exhibition are not very numerous.

17 **IMPERIAL SALT WORKS, Galicia.**—Samples of culinary salt.

18 **WEKER, G. D.** Venice, Manu.—Samples of fine cream of tartar.

19 **WAGENMANN, SETREL & Co., Vienna, Manu.**—Chemical productions, including tartaric acid, vinegar, acetic acid, acetate of sodium, arsenic acid, chloride of lime, arseniate, sulphate, and muriate of potassa.

20 **BROSCHE, F. X.** Prague, Bohemia, Manu.—Chemical productions, including succinic acid, tartaric acid, sesquioxide of chromium, sesquioxide of uranium, and mercurial compounds.

21 **BRAND, G. J.** Prague, Bohemia, Manu.—Albumen, stannate of soda, and ferrocyanide of potassium.

22 **ENGELMANN, S.** Karolinenthal, near Prague, Manu.—Albumen, dextrine, lalogue, and artificial gum.

23 **SETZER, J.** Weiteneck on the Danube, Manu.—Ultramarine blue, in eight shades. Ultramarine green. Cadmium yellow. Red and rose madder.

24 **KOTZER & LEHRER, Prague, Manu.**—Ultramarine blue, in eight shades. Ultramarine, green and black. Various colours, including chrome yellow, chrome red, &c.

25 **FIALA, W.** Prague, Manu.—Indigo blue of three kinds.

26 HEINZEK BROTHERS, Hetschen on the Elbe, Bohemia, Mann.—Red and violet herb archil (*Oseille d'herbes*). Red and violet extract of archil (*Extrait d'oseille rouge et violette*).

27 KINZLEBERGER & Co. Prague, Mann.—One hundred and eighty samples of colours.

28 PATZ, W. Pesth, Hungary, Mann.—Carmine of two kinds.

29 RATTICH, J. B. Atgersdorf, near Vienna, Mann.—Black colour for copper-plate printing.

30 HERBERT, F. P. Klagenfurt and Wolfsberg, Carinthia, Mann.—White lead of different kinds.

31 ROGER, G. Count von, St. Veit, Carinthia, Mann.—White lead of various kinds.

32 HERBERT, I. Klagenfurt, Carinthia, Mann.—Orange and bright red lead. Red and gold litharge.

33 DIEZ, E. Villach, Carinthia, Mann.—White lead of different kinds. Leaden shot and bullets.

34 BIGAGLIA, PIETRO, Venice, Mann.—Selected samples of white lead, litharge, and vermilion.

35 HARTWITZ, L. & C. Vienna, Mann.—Naples yellow. Artificial pumice stone.

36 SCHARAS, J. Vienna, Pat.—Patent artificial pumice stone of different kinds.

37 ROHLIK, L. Prague, Inv. and Pat.—Artificial stone, imitation of marble, and lapis lazuli.

38 CRISTOFOLI, A. Padua, Mann.—Eight samples of paving blocks, and columns of artificial marble.

The manufacture of stearine candles and soap, although the former was introduced only a few years ago into Austria, has already obtained an important position. Of the numerous manufactories established in this line in all parts of the empire, the most important have contributed to the Exhibition.

Refined and unrefined oils have only one exhibitor, whilst the actively progressing perfumery trade has none.

39 STEARINE CANDLES (Apollo Candle) COMPANY, Vienna.—Stearine and Stearine candles.

40 STEARINE CANDLES (Milly Candles) COMPANY, Vienna.—Stearine and Stearine candles.

41 PITZNER & BECKERS, Vienna, Mann. and Pat.—Candles, called palmatine candles (made by distilling palm oil).

42 STEARINE CANDLES COMPANY, Hermannstadt, Transylvania.—Stearine and stearine candles. Elaine soda soap.

43 CHIOZZA, C. A. & SON, Trieste, Mann.—Soap of different kinds.

44 MELKER, D. Hermannstadt, Transylvania, Mann.—Soap of different kinds, for bleaching, &c. Washing soap.

44A RICHTER, A. Königsal, Bohemia.—Soap of various kinds.

45 CZEKELIUS, C. Hermannstadt, Transylvania, Mann.—Candles of Transylvanian tallow.

LUCIFER MATCHES.—The manufacture of lucifer matches is constantly increasing. The excellent quality, the suitable and judicious form, the cheapness of price, and the capability evinced by the makers of producing any quantity, have rendered these articles a manufacture of considerable importance, and caused them to be exported to all parts.

Exhibitors of the same are:—

46 FUETE, B. Schtittenhofen and Goldenkron, Bohemia, Mann. (Agent, Julius Lippmann, 29 Nicholas lane, Lombard St. London).—Patent lucifer matches, of different kinds and forms.

47 POLLAR, M. Vienna, Mann.—Patent lucifer matches, of different kinds and forms.

48 PRESHEL, F. Vienna, Mann.—Patent lucifer matches, of different kinds and forms.

49 HOFFMANN, G. Wiscosan, Bohemia, Mann.—Patent lucifer matches of different kinds and forms.

50 DE MASO, S. Tyrsoch, Moravia, Mann.—Patent lucifer matches of different kinds and forms.

51 DOLLENEGAL, J. Vienna. Pat.—Patent tincture for destroying vermin.

52 EDLER VON WURSE, W. Vienna, Inv. and Pat.—Material for stopping decayed teeth.

53 THE DIRECTORS OF THE MIXES OF HIS HIGHNESS THE PRINCE OF LOBKOWITZ, Duke of Radnitz, at Bilin, Bohemia.—Magnesia and digestive lozenges (*pastilles digestive de Bilin*). Prepared from the contents of the mineral waters of Bilin.

54 HALLA & Co. Prague, Mann.—Chemical powder, for making black writing ink instantaneously.

55 ROBERT & Co. Gross Sclowitz, Moravia, Mann.—Beet-root sugar:—

The manufacture of beet-root sugar, only established in Austria in the year 1830, has since widely spread.

The establishments have increased, not only in number, but also in extent, in a gratifying manner. The north Slavian Provinces, Bohemia, Moravia, Silesia and Galicia, as well as Hungary, are the principal seats of these important factories.

56 MANUFACTORY OF THE BROTHERS CHEVALIERS DE NEUVALL, Klobanek, Moravia.—Beet-root sugar.

57 RICHTER & Co. Königsal, Bohemia, Mann.—Beet-root sugar.

58 PRINCE FERDINAND, VON LOBKOWITZ, Bilin, Bohemia, Mann.—Beet-root sugar.

59 MOKNICH, COURT H. L., Karivin, Moravia, Mann.—Beet-root sugar.

60 BEET-ROOT SUGAR MANUFACTORY, Tlumacz, Galicia.—Beet-root sugar.

61 REALI G. (late A. Real), Venice.—Four sugar loaves.

62 THE PRIVILEGED STEAM FLOUR-MILL COMPANY, Vienna.—Flour from Austrian wheat.

63 THE PRIVILEGED STEAM FLOUR-MILL, Fiume.—Different kinds of flour from Hungarian wheat.

64 STEAM FLOUR-MILL, Smichow, near Prague.—Different kinds of flour from Austrian wheat.

65 HARVANKE, C. Troja, near Prague.—Different kinds of flour from Austrian wheat.

66 NOWOTNY, A. Prague.—Different kinds of flour from Austrian wheat.

67 TRUB, COUNT F. Tetschen, Bohemia.—Different kinds of flour from Austrian wheat.

68 JORDAN & BARBER, Tetschen on the Elbe, Bohemia.—Different kinds of flour from Austrian wheat.

69 IMPERIAL TOBACCO MANUFACTORIES, Vienna.—Four kinds of snuff, produced in Galicia and Tyrol.

70 CARNOLIAN AGRICULTURAL SOCIETY, Laibach.—Honey, chiefly collected by the bees from the blossoms from buck-wheat. Winter linseed, from Carniola white and red millet. Indian corn, grown in Upper Carniola, 400 fathoms above the level of the sea.

71 ANTON, C. Vienna, Mann.—Austrian frame of two and three filaments.

72 SCOLA, A. Lins.—Upper Austrian raw unspun silk.

73 SILK-WORM BREEDING ASSOCIATION, Gratz, Styria.—Styrian raw silk; illustration of the treatment of the silk-worms.

74 RADLOVITZ BROTHERS, Weiskirchen, Hungary.—Hungarian silk.

75 ALOYS, L. Weiskirchen, Banak.—Raw unspun silk from the Banate.

76 HERZOG, E. Werchitz, Banate.—Raw unspun silk from the Banate.

77 MATTIUSZI, G. B. Varmo, Frionly.—Samples of raw silk.

78 SERIOGLIA & CARMINATI, Palma, Frionly.—Silk

- 79 PAPPAYAVA, —, Zetta, Dalmatia.—Dalmatian silk.
- 80 SCHREIBER & Co. Milan.—Specimens showing the process of silk manufacture in all its stages, from the worm to the yarn ready for the weaver.
- 81 SPECCHI, F. Milan.—Samples of silk spun off with cold water.
- 82 BONCHETTI, A. Milan.—Samples of raw and spun silk.
- 83 GRASSI, D. G. Milan.—Diseased silk-worms, cured by D. Grassi's method.
- 84 OZZERIN, G. Venice.—Samples of raw silk.
- 85 PARI, GERA DI, Cadegliano, Province of Treviso.—Samples of raw silk.
- 86 MORELLI, MARCHIONNE E. C. Verona.—Samples of raw silk.
- 87 STRINER, G. & SOHN, Bergamo.—Samples of raw and spun silk.
- 87^b VEREA BROTHERS (late Carlo Verza), Milan.—Cocoons, raw and spun silk, silk fabrics.
- 88 ROSI, G. M. Soudrio.—Samples of raw and spun silk.
- 89 VON KETHELEY, COUNT J. H. Urmény, Hungary, Prop.—Sheep-wool in fleeces.
- 90 FELDOR, T. & SOHN, Vienna.—Hungarian and Austria-Silesian sheep and lambs'-wool.
- 91 VON MITTROWEY, COUNT A. Grosakerritz, Silesia, Prop.—Pure stock merino sheep-wool.
- 92 LARBERG, COUNT H. Karwin, Silesia, Prop.—Sheep-wool in fleeces.
- 93 WALLIS, O. Count of, Kolleschowitz, Bohemia, Prop.—Washed and unwashed wool. Hops.
- 94 PASKA, N. & ALEXIS J. Cronstadt, Transylvania.—Washed and unwashed Transylvania Zackel-sheep and lambs'-wool, and washed and unwashed Transylvania Zigsja-sheep and lambs'-wool.
- 95 BIRNBAUM, J. Pesth, Hungary, Mann.—Prepared Hungarian hemp.
- 96 PATENT FLAX RAFFING ESTABLISHMENT, Ullersdorf, near Schönbürg, Moravia.—Raw and heckled flax of the year 1850. Water raffings.
- 97 TAMANELLA, L. Foggio, Lombardy.—Willow-straw for hats.
- 98 ROTSCH, & REISCHER, Gratz, Styria.—Styrian teasles, for the woollen manufacture.
- 99 SCHOEFLER, J. Saaz, Bohemia, Prod.—Hops from Saaz, Ausch, and Melnik, in Bohemia.
- 100 BATEKA, WENZEL, Prague, Bohemia, Mann.—Bohemian vegetable produce. Medical plants and pharmaceutical productions.
- 101 REALI, G. (late Antonio Reali) Venice.—Bleached Venetian wax in grains.
- 102 MALVIEUX, C. T. Pesth, Hungary, Mann.—Refined and unrefined rape-oil.
- The manufacture of machinery has only very recently become a part of Austrian industry, and already promises well. The superior quality of the raw material of the country affords to this branch most important advantages. Prime-movers, steam-engines, and locomotives are produced of excellent quality. Various circumstances, particularly the enormous freight, prevented the transmission of extensive contributions to the London Exhibition from this department.
- 105 SCHMID, H. D. Vienna, Engineer.—Steam-engine, with a paraboloidic regulator of new invention. Model of a patent scale-beam. Designs for beet-root sugar factories.
- 106 MILEKI, A. Verona, Engineer.—Model of a double condensation steam-engine; has been erected in Verona, in full size, and is in use.
- The manufacture of carriages of different kinds is carried on in Vienna, Prague, Gratz, Milan, and also in several

smaller places in Moravia and Bohemia. Vienna furnishes very tasteful, serviceable, and cheap carriages of all kinds. The export of them to foreign parts is very considerable, and the already large manufacture is daily extending. The Vienna carriage is much liked on account of its suitable construction, easy draught, elegant form, and the durability of its upholstery work, &c.

- 107 KNIEKIM, F. Vienna.—A carriage.
- 108 LAURENZI, L. Vienna, Coachmaker.—A four-seated caleche, on nine steel springs and patent axles.
- 109 THE HEIRS OF P. GAMBA, Milan, Engineers.—A Jacquard loom.
- 110 RIEDLER, F. Spital-on-the-Pyhrn, Steel-worker.—Damascene steel. Damascened swords and sword-blades.
- 111 PERGER, J. Gratz, Styria, Mann.—A pair of pistols.
- 112 MEYER & Co. Innsbruck, Tyrol, Mann.—A Tyroless rifle, exhibited for its superior qualities and cheapness.
- 113 SCHÖNBERGER, J. Villach, Upper Carinthia, Mann.—An air-gun.
- 114 LEBEDA, A. V. Prague, Mann.—A double gun. A rifle for shooting at a target. A pistol for shooting at a target.
- 115 NOWAK, F. Prague, Mann.—A double gun. A pair of pistols for shooting at a target.
- 116 KEHLENER'S NEPHEW, A. C. Prague, Mann.—A pair of pistols for shooting at a target; the wood carvings by Mr. Warlinek, after drawings by Messrs. Maryx and Seiberta.
- 117 FREY, A. Prague, Mann.—An assortment of weapons, hangers, &c.
- 118 SCHAMAL, F. Prague, Mann.—An air pistol.
- 119 MICHELSONI, G. Milan, Mann.—Double-barrelled fowling-piece.
- 120 BOBEVITSCHE, J. Hermannstadt, Transylvania, Mann.—A travelling-pouch, containing a hunting-knife, a pistol, knives and forks.
- 121 KIEBER, J. Pesth, Hungary, Mann.—A double gun.
- 122 SELLNER & BELLOR, Prague, Mann. (Agents, H. A. Grantoff & Co., 4 Lime Street Square, London).—Patent percussion-caps. The total manufacture of percussion-caps for sporting guns in Europe may be estimated at 1,300 millions yearly. Some idea of the importance of this article may be formed from the quantity of copper requisite for its production, viz., 396,000 lbs. weight. The great advantages of the new system have been so generally acknowledged, that within the short space of 20 years all kinds of guns with flint-locks have been abandoned, and the percussion system has likewise been extended to muskets for the army. The percussion-caps of their manufactories are distinguished by accuracy and equality of bore, by the malleability of the copper, by the superior quality of the powder, the exact adjustment of the proportions so as to insure certainty of ignition without danger of accidents, and by lowness of price when the quality is considered. The percussion-caps coated with varnish exhibited by them may remain in the water for 72 hours and more without losing their power of immediately igniting the powder. Nipples (pistons) hermetically closed, a new invention, which prevents any moisture from penetrating between the percussion-caps and the nipple, and thus preserve the sportsman's powder perfectly dry. Specimens of iron cylinders coated with cast-steel of superior hardness and solidity.
- 123 HORSKY, F. Libejic, Bohemia, Pat. and Inv.—A seed harrow, a potato cultivator, a drilling-machine, a turnip and weed eradicator, &c., the inventions of F. Horsky; manufactured at the iron-works of Count Stadion, at Josephthal, Bohemia.
- 124 MANUFACTORY OF AGRICULTURAL IMPLEMENTS OF PRINCE F. VON LOBKOWITZ, Eisenberg, Bohemia.—A seed harrow. A double coverer. A seed coverer. A seed loosener. A weed destroyer. A sub-soil plough. The

inventions of the Chevalier von Infeld, of Eisenberg, manager of the works.

125 STALLBURG, BARON W. F. VON RIESE, Schlan, Bohemia, Prop.—A carrot driller.

126 MAGNI, G. Milan, Prop.—An iron harrow.

127 CARNIOLEAN AGRICULTURAL SOCIETY, Laibach.—Model of a Carniolian granary. Model of a Carniolian bee-hive.

128 HOFFNER, J. Gratzsch of Styria, Prop.—Model of an apparatus for silk-worms to spin in.

129 PROSBER, A. Görkau, Bohemia, Inv.—An apparatus for assisting in carrying weights.

130 MECHANICAL DEPARTMENT OF THE IMPERIAL POLYTECHNIC INSTITUTE, Vienna.—A universal levelling instrument, patented by Professors Hampfer and Starke, Vienna. A levelling instrument measuring both height and distance, patented by Professors Hampfer and Starke, Vienna. Five different levelling instruments. A perspective ruler of novel construction. A perspective ruler, patented by Professors Hampfer and Starke. A theodolite. A dynamograph, for determining the average strength of draught. Invented by A. Chevalier de Burg, director of the Imperial Polytechnic Institute, Vienna. Mathematical instruments of good quality and at low prices are mostly made in Vienna, by a number of small working tradesmen, for the supply of the monarchy. A few specimens of the larger surveying instruments are, however, exhibited. Optical instruments are likewise produced principally in Vienna, of superior quality, particularly those which serve more for purposes of general utility than for science. Opera-glasses and similar articles of the utmost excellence, as well as spectacles and eye-glasses, of all descriptions and mountings, are made in Vienna by a great number of tradesmen. The glasses come mostly from Bohemian manufactories, but are cut in Vienna. No sample of this department has been sent. Of the philosophical instruments, only few specimens have been forwarded.

131 RIEDL, J. Leuzenstein, Vienna, Inv.—Globe of the moon.

132 ZIBERNAYR, M. Gratz, Styria, Inv.—Chronoglobium and planetarium.

133 BRANDNER, R. W. Prague, Mann.—Saccharometrical apparatus for trying beer, designed by Mr. J. N. Balling, Professor of Chemistry, of Prague.

134 JENAK, F. Prague, Mann.—Philosophical, chemical, and medical-glass apparatus and instruments. Works of art in glass.

135 BATKA, W. Prague, Mann.—Chemical and philosophical apparatus. An electro-magnetic apparatus, by Professor Petrina, of Prague. An apparatus for trying beer, after the design of Dr. Steinheil, of Vienna.

136 ROCCHEZZI, F. Padua, Engineer.—Geometrical instruments.

137 WURN, F. X. Vienna, Engineer.—Pyrometer for discovering the degree of heat, a new invention. Artificial arms and legs, new inventions. Patent gridiron, new invention. Iron-wire rope.

138 ZWICKL, J. Atzensdorf, Vienna, Inv.—A measure for concave surfaces.

139 MARCHESE, G. B. Lodi.—Writing apparatus for the blind.

The excellence and extent of the musical department in Austria are the natural consequences of the fondness of its inhabitants for music, and the extensive demand for musical instruments resulting therefrom.

Vienna and Prague are the principal seat of the manufacture of stringed and wind instruments, which in purity of tone, in correctness of make, and in cheapness, are unrivalled, and are consequently articles of considerable export. Also in other parts of Bohemia and the Archduchy of

Austria, and in Lombardy, excellent musical instruments are made.

The Vienna pianoforte is distinguished by a full and beautiful tone, easy touch, elegant and light shape. The manufacturers endeavoured to adapt the mechanism of the instruments to the taste of the various countries. The few specimens in the Exhibition deserve attention, also for the tasteful and rich cabinet-work of the cases.

Besides Vienna, at Prague, Gratz, Presburg, and other places in Austria, pianofortes of equally good quality are manufactured.

Harmonicons, both large and small, the latter of which are rather to be considered as toys, are extensively made in Vienna of good quality, and are largely exported. Musical boxes from Prague are also exported in large quantities.

140 SCHNEIDER, J. Vienna, Mann.—A pianoforte of American maple, with Viennese mechanism, ornamented with inlaid-work.

141 VLASKY, J. Prague, Mann.—A pianoforte of walnut-tree wood.

142 WILHELM, A. Mödling, near Vienna, Mann.—Leather for covering the hammers of pianofortes.

143 BUNZERT, D. & SON, Maderhüner, Bohemia (Agent, Mr. Holste, 76 Basinghall St. London), Mann.—Different kinds of prepared wood for musical instruments.

144 BRITZER, D. Vienna, Mann.—A stringed quartett (two violins, tenor, and violoncello). A violin, a double bass, and a guitar.

145 KOSSELZ, J. Turnau, Bohemia, Mann.—A violoncello, inlaid with mother-o'-pearl.

146 HREBLIK, F. Gratz, Styria, Mann.—A stringed quartett (two violins, tenor, and violoncello).

147 ENRICO, C. Cremona, Mann.—A violin.

148 KRUMAL, A. Vienna, Mann.—Two sithers (stringed instruments).

149 HUTNER, M. Vienna, Mann.—A sither (a stringed instrument).

150 CALLEGARI, A. (firm of Antonio Priali detto Romanin & Co.), Padua, Mann.—An assortment of strings for musical instruments, including violin, violoncello, double bass, harps, &c. and specimens of cat-gut.

151 IWKI, A. Venice, Mann.—Samples of strings for guitar, violin, violoncello, harp, and double bass.

152 HELL, F. Vienna, Mann.—Musical instruments: a clarinet, bugle, brass-tuba, trumpet, brass instrument, a new invention, called Hell's-horn.

153 RIEDL'S WIDOW, J. F. Vienna, Mann.—Various wind instruments of metal.

154 STEHLK, J. Vienna, Mann.—Wind instruments of wood and metal.

155 UULMANN, J. Vienna, Mann.—Various wind instruments of wood and metal.

156 ZIBOLEZ, J. Vienna, Mann.—Various wind instruments of wood.

157 CERVENY, W. F. Königgrätz, Bohemia, Ppt.—Various wind instruments of metal; among them a horn called the phonikon, a new invention.

158 ROTT, A. H. Prague, Mann.—Various wind instruments of metal.

159 ROTT, J. Prague, Mann.—Various wind and stringed instruments.

160 STÜBER, F. Prague, Mann.—Wind instruments of metal.

161 PELLETTI, G. Milan, Mann.—Wind instruments of metal.

162 REBERTSCHER, F. Prague, Mann.—Four musical-boxes, playing two, three, four, and six tunes.

163 KEMISCH, J. Vienna, Mann.—Different kinds of concertinas, accordions, and Jews'-harps.

164 STEINKELLNER, C. Vienna, Manu.—Different kinds of accordions and concertinas.

Vienna, Prague, and Gratz are the principal seats of this industry. In the former place particularly, the construction of clocks is carried on extensively by a numerous class of small manufacturers. The Vienna clocks in glazed wooden cases, the metal clocks called Black Forest, or Schwarzwälder, clocks, and the small clocks (Nippuhren), on bronze or porcelain stands, and under glass shades, have become considerable export articles, the former on account of their excellence, the latter owing to their appearance and cheapness.

Church clocks, astronomical clocks, travelling clocks, and also watches, are of superior workmanship.

165 LISZT, A. Vienna.—Two travelling clocks.

166 MARKENZELLER, I. Vienna, Clockmaker.—A chronometer of novel construction.

167 RATZENHOFFER, J. F. Vienna, Clockmaker.—A geographical clock, showing the difference of mean time in all the capitals of Europe.

168 SCHUBERT, A. Vienna, Clockmaker.—Different kinds of clocks, including bracket, table, and small toilet clocks.

169 KRALIK, S. Pesth, Hungary, Clockmaker.—A travelling clock with 13 escapements. A pocket-watch.

170 ZELISKO, A. Prague, Clockmaker.—A pendulum clock, going a twelvemonth, jewelled socket and escapement.

170A STOKS, J. & Co. Milan in Lombardy, Prod.—1 Six specimens of cocoons: A, yellow, coarse fibre; B, yellow, delicate; C, yellow, satin; D, yellow, saffron; E, white, coarse fibre; F, white, fine fibre. 2 Specimens of raw silk, one thread; raw silk, yellow and white. 3 Specimens of tram silk, three threads. 4 Specimens of organzine silk, for velvet, heavy, and light satin and plush. 5 Specimens of Grenadine: Organzine Grenadine, four threads. 6 Two qualities of Grenadine manufactures. Loosn, Messrs. Brevis Brothers.

COTTON.—Cotton spinning and weaving has of late years been greatly on the increase in Austria, owing to the demand for home consumption. Bohemia, Lower Austria, and Vorarlberg, in the Tyrol, contain most of the spinning-mills; Bohemia has by far the greatest number of establishments for weaving and printing. The erection of power-looms has not been extensive, the greatest part of the articles produced being woven by hand by the inhabitants of the Bohemian mountain-frontier districts. The production of cotton yarn and goods has increased of late years in a measure which bears no proportion to the small number of the samples exhibited.

171 CHLACHICE, M. Fiume, Spinner.—Cotton yarns.

172 GRILLMAYER, J. Linz, Spinner.—Cotton yarn.

173 HIRSCHL & MINERI, Haidenschaft, Illyria.—White cotton yarn. Turkey-red yarn.

174 PERGER, J. Hirtenberg, Spinner.—Cotton yarns.

175 COTTON MILL AND DYING ESTABLISHMENT, Pordenone, near Venice.—Cotton twist, dyed Turkey red.

176 RICHTER, F. Schmilchow, near Prague, Bohemia, Spinner.—Cotton yarn.

177 FRIEDLICH, G. A. & Sons, Warnsdorf, Manu.—Cotton velvet of different kinds, dyed and printed.

178 GROHMANN, C. Lindenau, Bohemia, Manu.—Cotton yarn, dyed Turkey red and pink. Cotton velvet and calico, dyed Turkey red.

179 LANGE, FRANZ, & Sons, St. Georgenthal, Bohemia, Manu.—Cotton velvets of different kinds.

180 WINTER, I. Manu.

181 ERIBOZZI, A. Oberlangenau, near Hohenkeos, Bohemia, Manu. and Bleacher.—Various cotton goods. Jaconets, &c.

182 FRIEDRICH, A. Vienna, Manu.—Various cotton goods, shirtings, mullins, tibets, &c.

183 TERNY & SCHINDLER, Hard, Vorarlberg, Manu.—Furniture. Cloths. Ladies' dresses (all wool). Ladies and children's scarfs.

184 KLAMER, J. Vienna, Manu.—Ladies' fancy cotton dresses of different descriptions.

185 LANG, J. Vienna, Manu.—Fancy cotton goods.

186 LEITENBERGER, E. Reichstadt, Bohemia, Manu.—Plain and assorted coloured cotton prints, printed by cylinder or hand. Jaconets, cambrics, muslins of different colours.

187 LEITENBERGER, F. Cosmanos, Bohemia, Manu.—Plain and variously-coloured cotton prints, printed by cylinder, hand, or perrotine. Coloured jaconets, cambrics, muslins, and printed shirtings.

188 LIENSCH, J. Warnsdorf, Bohemia, Manu.—Printed piqués.

189 OBERBERGER'S SUCCESSOR, P. Zwettl, Manu.—Various cotton goods.

190 VOLKMAN, I. Vienna, Manu.—Ladies' fancy cotton dresses. A curtain.

WOOLLEN AND WORSTED GOODS (including fabrics mixed with cotton, flax, and silk shawls).—The production of wool and woollens is a most important branch of industry, and its export trade is only exceeded by that of silk goods. The raw material of which, besides a large quantity exported, is entirely of home growth. Nearly half the wool of Austria is Hungarian; next in importance are Bohemia, Galicia, Moravia, Silesia, Transylvania, Upper and Lower Austria. The woollen yarns are usually spun in the cloth manufactories, and several spinning-mills have been lately established.

The manufacture of woollens is chiefly carried on in Bohemia, Moravia, and Upper and Lower Austria. The most important places in this respect are Reichenberg, in Bohemia, Brünn, Iglau and Bieltitz, in Moravia, and Vienna.

The shawls, which are manufactured almost exclusively at Vienna, combine durability and tastefulness with cheapness, and have long been extensive export articles.

Some specimens of woollens mixed with cotton, silk, and thread, as well as carpets and similar articles, are exhibited.

191 KELLER, J. Brünn, Moravia, Spinner.—Woollen yarns.

192 LEIDENFROST, E. Brünn, Moravia, Spinner.—Woollen yarns.

193 SCHNEIDER, A. Neudock, Bohemia, Manu. and Spinner.—Worsted and woollen yarns.—Woollen fabrics, including tibets, muslin, cloth, &c.

194 SOXHLET, H. F. & E. Brünn, Moravia, Spinner.—Woollen yarns.

195 TETJNER, G. Göckau, near Comotau, Bohemia, Spinner.—Woollen yarns. Vigogna yarns, spun of wool and cotton.

196 THOMAS, L. Graslitz, Bohemia, Manu.—Worsted and woollen yarn. Woollen stuffs: Tibet, ladies' cloth, half-wool tartans.

197 THUM, A. Reichenberg, Bohemia, Manu.—Worsted and woollen yarns. Woollen goods, including tibets, cirases, Orleans, and waistcoats. Printed cashmere and ciras shawls.

198 WORSTED YARN-SPINNING COMPANY, Vöslau, near Vienna.—Berlin worsted yarns and arras yarns.

199 KAMMER, G. T. Cronstadt, Transylvania.—Rugs. Black and white cloths (called Gajernitz cloth).

200 MAURER, V. Iglau, Bohemia, Manu.—Blankets, horse-cloths, and rugs.

201 MATSCHUKO, N. Cronstadt, Transylvania.—Long-haired winter rugs. Blankets.

202 TARTLER, M. Cronstadt, Transylvania, Manu.—Various druggets.

203 WOCZORSKY, J. R. Skaltitz, Hungary, Manu.—Woolen bolting-cloth.

204 AUSPRITZ, L. Brünn, Moravia, Manu.—Fine cloths, cashmere, satins, and elastics.

205 BAUER, THEODOR, & Co. Brünn, Moravia, Manu.—Woolen cloths.

206 BIEDERMANN, M. L. & Co. Teitscher, Moravia, Manu.—Fine cloths, cashmere, and doeskin.

207 BINDER, TRAUDOTT, Hermannstadt, Transylvania, Manu.—Cloths and doeskins.

208 FURLER, FRANE, Gratz, Styria, Manu.—Broad-cloths and Styrian beavers (ASORS) of various colours.

209 CLOTH MANUFACTURING COMPANY, Gécs, Hungary.—A variety of cloths and doeskins.

210 GINZEL, R. C. Reichenberg, Bohemia, Manu.—Peruvian cloth.

211 GUERTLER, J. Brünn, Moravia, Manu.—Woolen trouserings.

212 HARTIG, J. Reichenberg, Bohemia, Manu.—Cloths and Peruvians.

213 TRADE-UNION, Brünn, Moravia.—Woolens, cloths, summer buckskins and trouserings.

214 CLOTH-MAKERS' ASSOCIATION, Hermannstadt, Transylvania.—An assortment of cloths and flannels.

215 HONAUER, F. Lins, Manu.—Woolens; fur; velveteens; plush; camlets; harpins; bantings. Turkish and Wallachian belts.

216 ILLEX, F. Brünn, Moravia, Manu.—Samples of cloth and doeskin.

217 MIES, G. Cronstadt, Transylvania.—White cloth, for Hallina cloaks.

218 MORO BROTHERS, Klagenfurt, Carinthia, Manu.—Cloth of the finest quality for uniforms.

219 MUELLER, A. L. Reichenberg, Bohemia, Manu.—An assortment of woolens.

220 CLOTH-MANUFACTURING COMPANY, Namest, Moravia.—Fine cloths, Peruvians, doeskins, and cashmeres.

221 OFFERMANN, J. H. Brünn, Moravia, Manu.—Fine cloths and trouserings. Stuff for summer and winter coats.

222 POPPER BROTHERS, Brünn, Moravia, Manu.—Fine cloths, Peruvians, doeskin, and sepherienne trouserings.

223 PASSELT, A. JUN. Reichenberg, Bohemia, Manu.—Samples of cloth, doeskin, and cashmere.

224 SCHMIBOK, J. Brünn, Manu.—Woolens and stuffs for winter coats.

225 SCHMITT, F. Aicha, Bohemia, Manu.—Woolen cloths of different kinds.

226 SCHOELL, A. Brünn, Moravia, Manu.—Fine cloths, Brazilian, elastic cashmeres, doeskin, and winter stuffs.

227 SCHOELLER BROTHERS, Brünn, Moravia, Manu.—Fine cloths, Brazilians, elastics, Peruvians, and Americans. Winter and summer trouserings.

228 SEIDEL, C. & C. Kratsau, Bohemia, Manu.—Woolens, Cashmeres, Orleans, and Alpocas.

229 NEUBACHER, SIEGMUND & Co. Reichenberg, Bohemia, Manu.—Fine cloths, Brazilian, Castorine, elastics, and Peruvians.

230 SIEGMUND, W. Reichenberg, Bohemia, Manu.—Fine cloths, beavers, and ladies' cloths. Woolen stuffs, including Orleans, mohairs, rips, manderins, and Austrians. Woolen shawls. Shawls composed of wool and silk.

231 STEPANEK, F. Bruck, on Mur, Styria, Manu.—Cloths and Styrian beavers.

232 STEFFENS, P. Goldenkron, near Budweis, Bohemia, Manu.—Cloths, cassimeres, and buckskins.

233 STRAKOSCH, S. & SON, Brünn, Moravia, Manu.—Ladies' woolen cloakings. Trouserings.

234 TREWIKER, A. & SONS, Reichenberg, Bohemia, Manu.—Cloth and Peruvians.

235 TSCHOERNER, J. JUN. Reichenberg, Bohemia, Manu.—Various samples of cloth.

236 ULLRICH, A. JUN. Reichenberg, Bohemia, Manu.—Cloths and Peruvians.

237 VONWILLER & Co. Senftenberg, Bohemia, Manu.—Cloth, Peruvians, and trouserings.

238 SCHMITT, S. M. (Hairs) & Co. Neugedein, Bohemia, Manu.—Thibets, Cashmeres, camlets, &c. Shawls, scarfs, &c.

239 BOSE, J. St. Veit, near Vienna, Manu.—Printed shawls, scarfs, and dresses.

240 BRACER, F. W. Vienna, Manu.—An assortment of woolen and half-woolen prints for ladies' dresses. Balsarines. Woolen and barege shawls, handkerchiefs, and scarfs.

241 LEBBIG, F. Reichenberg, Bohemia, Manu.—Printed Thibet and Circassian handkerchiefs and scarfs. Table-covers.

242 WITZER, J. Vienna; Tuppel, Bohemia; and Trebitz, Moravia, Manu.—Ladies' printed dresses; half-woolen stuffs.

243 HAAS, P. & SONS, near Wien, Manu.—Velours d'Utrecht.

244 DIEZELS, J. (Hairs), Kleinmünchen, near Lins, Manu.—Carpets of different sizes and colours.

SILK AND SILK GOODS.—The raw material of this important branch of Austrian industry is chiefly produced in the Lombardo-Venetian provinces and the Tyrol. In Hungary, and the military frontiers, also, the silkworm-breeding, for years fostered by Government, has met with great success, and the silk produced, which is of a good quality, is largely exported.

The manufacture of silk goods is chiefly carried on in Vienna, Milan, and Como, and there are also various manufactories in the smaller towns of Lower Austria and the Tyrol. With the exception of a few very fine articles, they supply the home-market entirely, and export large quantities, especially of the lighter descriptions of goods.

245 SALZER, C. Vienna, Dyer.—Samples of dyed silk.

246 MENZEL, A. Vienna, Manu.—Silk ribbons.

247 MOERING, C. Vienna, Manu.—Figured gros de Naples ribbons and satin ribbons.

248 FRENHBERGER, J. Vienna, Manu.—Silk ribbons, of various kinds.

249 BACKHAUSEN, C. & J. Vienna, Manu.—Half-silks for ladies' dresses.

250 BADER BROTHERS, Vienna, Manu.—Silks, ladies' scarfs, dresses, and handkerchiefs.

251 BLAHA & ROSENBERGER, Vienna, Manu.—Figured satin, white silk waistcoating, and velvet.

252 BUJATTI, F. Vienna, Manu.—Silk furnitures and damasks; carriage linings. Silk brocades for ecclesiastical vestments. Silk hangings, counterpanes, handkerchiefs, satin, &c.

253 DOBFLEUTHNER, L. Vienna, Manu.—Half-silks and silks, ladies' dresses, satin, velvet, &c.

254 FLEMMICH, A. Vienna, Manu.—Figured silk dresses.

255 FRIE & ZEPFBAUER, Vienna, Manu.—Silk dresses; ecclesiastical brocades; silk tapestry; damasks; satins; ladies' scarfs.

256 GANER, J. Vienna, Manu.—Transparent silk gauze.

257 GIANT, J. Vienna, Manu.—Silks and half-silk; ecclesiastical brocades and damasks.

258 GRUBER & EISENER BROTHERS, Vienna, Manu.—Silks; satins; Gros de Naples; shawls.

259 HAAS, PHILLIP & SONS, Vienna, Manu.—Silks and half-silks, damasks, furnitures, and lamps.

- 260 HELL, G.** Vienna, Manu.—Silk furnitures, in brocade; lampas; satin; damask; velvet.
- 261 HERRN, J. & SOHN,** Vienna, Manu.—Figured silk dresses.
- 262 HORNROSTEL, C. G. & Co.** Vienna, Manu.—Silks; silk velvet Bayadere handkerchiefs; ladies' dresses; barege shawls. Printed foulards. The stuff made on self-acting water-loom, and printed by Gustav König in Vienna.
- 263 KRICHL, E.** Vienna, Manu.—Ecclesiastical vestments. Insets of real cloth of silver, richly embroidered with gold. Casuale of silk velvet, embroidered with gold and silver. Vestment of cloth of silver, embroidered with gold.
- 264 KOEFLER, A.** Vienna, Manu.—Ecclesiastical brocades, embroidered in gold and silver, on silk and chenille.
- 265 LEMANN, J. & SOHN,** Vienna, Manu.—Tapestry. Ecclesiastical brocades. Ecclesiastical vestments, richly embroidered with gold, silver, and imitation metal, on silk and chenille.
- 266 MAYER BROTHERS,** Vienna, Manu.—Silk and velvet waistcoatings; satin scarfs and handkerchiefs.
- 267 MERTZSCH, P.** Vienna, Manu.—Ladies' silk handkerchiefs. Satin and velvet waistcoatings.
- 268 REICHNER, F.** Vienna, Manu.—Silks; gros de Naples; gros grain; gros d'Afrique; Levantin and satin Turque.
- 269 SCHIFFER, C.** Vienna, Manu.—Silk plush for hats.
- 270 SCHOFFER, M. A.** Vienna, Manu.—An extensive selection of silk for furniture, in brocades, lampas, satins, and damask. Carriage linings.
- 271 SEIBERT, F.** Vienna, Manu. and Pat.—Chenille handkerchiefs and bayaderes.
- 272 SEEMUND, L.** Vienna, Manu.—Silk lawn; transparent gauze; and bayaderes.
- 273 SPANRAFF, F. X.** Vienna, Manu.—Plain and brocaded silk handkerchiefs; ladies' scarfs and shawls.
- 274 WOLTECH, F.** Vienna, Manu.—Fancy silk goods, waistcoatings, satin scarfs, &c.
- MANUFACTURES FROM FLAX AND HEMP.**—Although the ancient and, in former times, flourishing linen trade of Austria has suffered greatly by the introduction and progress of the cotton manufacture, and spinning by machinery, it still occupies an important position, and the linen of the mountain districts of Bohemia, Moravia, Silesia, and Salzburg is of undeniable excellence. The government is also constantly exerting its influence for the improvement of the growing and preparation of flax.
- Among the hemp manufactures, of which specimens have been sent, some are distinguished by their novelty, as for example, variegated coloured hemp thread for ladies' fancy work, frequently preferred to silk.
- The linen yarns of Austria are mostly hand-spun; machine-spinning is, however, on the increase. Samples are exhibited both of hand and machine spun yarns.
- 275 HILFERT, E. & SOHN, Schönlinde, Bohemia, Manu.**—Sewing, crochet, and knitting thread. Linen.
- 276 TAUBER, F.** Unter-Meidling, near Vienna, Manu.—Tow-thread, coloured, of various kinds.
- 277 ROPE-MAKERS' ASSOCIATION,** Hermannstadt, Transylvania.—Manufactures of hemp and flax, including girths, cordage, &c.
- 278 JAGER, F. J.** Prague, Bohemia, Manu.—Cordage. Carpet of Italian hemp, and of New Zealand hemp. Saddle-girths, halters, bridles, &c. Bell-ropes of New Zealand hemp (*P. ovatus tenuis*).
- 279 PARSON BROTHERS, Graupen, Bohemia, Manu.**—Water-hose of Bohemian hemp, for fire-engines.
- 280 WEINBERGER, G.** Linz, Manu.—Saddle-girths, halters, cordage, &c.
- 281 BOTSCHER & GRAFF, Brünn, Moravia, Manu.**—Sail-cloth of different kinds, spun and wove in the same factory.
- 282 CHLACNIK, M.** Fiume, Manu.—Sail-cloth of different kinds.
- 283 THE BENEVOLENT SOCIETY'S ESTABLISHMENT, Milan.**—Three table-cloths and a piece of linen.
- 284 FERUL, W.** Merklow, near Starckenbach, Bohemia.—Hand-spun linen thread. Fine cambric of linen thread, spun by inhabitants of the Riesengebirge, Bohemia. Pocket-handkerchiefs.
- 285 HARRACH, Count, Janowitz, Moravia, and Starckenbach, Bohemia.**—Linen damask furniture. Damask table-cloths and napkins. Linen towels. Linen handkerchiefs.
- 286 HAUFF, L.** Brünn, Moravia, Manu.—Linen. Damasked coloured twills, &c., of various kinds.
- 287 MATHEU, J.** Haaslach, Manu.—Linen table-cloths and towels.
- 288 FELDLER'S HEIRS, Hohenelbe, Bohemia, Manu.**—Linen yarns, hand-spun. Linen of different kinds, grass-bleached. Pocket handkerchiefs.
- 289 PETRAK, J.** Branná, Bohemia, Manu.—Prepared flax. Linen yarn. Linen handkerchiefs.
- 290 SMOUL, J. & Co.** Schönberg, Moravia, Manu. and Bleasch.—Bleached linen, of all widths and lengths, of the best hand-spun and machine yard.
- 291 SIMONETTA, P.** Helfenberg, near Linz, Manu.—Linen table-cloths. Dowls, all linen. Damasks. Half-woollen-stuffs, lamas, wool and cotton. Rough, fine, and mixed drills.
- 292 VONVILLER & Co.** Haaslach, Manu.—Mixed cotton and linen, drill, and rips.
- 293 WITSCHELL & REINICK,** Warnsdorf, Bohemia, Manu.—Figured linen trouserings. White waistcoats, of various patterns. Gambroon linings.
- 294 BLASCHEKA & Co.** Liebenau, Bohemia, Manu.—Woolens. Orleans' rips. Lastings. Thibet handkerchiefs. Printed shawls. Circus shawls.
- 295 BRUDER'S WIDOW, RUDOLPH** Vienna, Manu.—Ladies' figured dresses. Long shawls; wollen bayaderes. Cashmere waistcoatings; gentlemen's scarfs.
- 296 FURST, J.** Vienna, Manu.—Fancy stuffs, including ladies' half silk dresses. Fine, middling, and figured cotton dresses. Figured half woollen cloaks. Scarfs, half and entirely of wool, for ladies and gentlemen. Printed cotton handkerchiefs.
- 297 KROTTSCHE, M.** Auzig on the Elbe, Bohemia, Manu.—Cloth of wool and cotton, alpacas, poil de chevre, &c.
- 298 LIESKA, J.** Reichenberg, Bohemia, Manu.—An assortment of plain and figured printed woollen stuffs, comprising Orleans, Thibet, lasting, mandarin, &c. Winter shawls, printed Thibet, &c.
- 299 NEUBERT, C. G.** Georgswalde, Bohemia, Manu.—Ladies' dresses of silk, cotton, and wool, prepared for printing.
- 300 RAMEDE, I.** Vienna, Manu.—Wollen shawls; petticoats; counterpanes.
- 301 WOLFRUM, C.** Aussig on the Elbe, Bohemia, Manu.—Cotton and woollen stuffs, including victories, poils de chèvres, imperials, alhambras, &c.
- 302 WURST, J. N.** Freudenthal, Silesia, Manu.—Breakfast cloths of different colours, of linen, wool, and silk. Woollen coverlid.
- 303 BIENEK, F.** Vienna, Manu.—A variety of waistcoatings.
- 304 ECHINGER BROTHERS,** Vienna, Manu.—Waistcoatings and woollen scarfs for gentlemen.
- 305 KRAL, A.** Vienna, Manu.—Waistcoatings of various kinds.
- 306 ROCKSTRON, H.** Vienna, Manu.—Waistcoatings of wool and cotton.
- 307 TLAL, J.** Vienna, Manu.—Waistcoatings of wool, and of wool and cotton mixed.

- 308 WERTHAUSSER, J.** Vienna, Manu.—Waistcoatings of piqué and wool.
- 309 BERGER, J.** Vienna, Manu.—Ramage, long, and a variety of other shawls.
- 310 BROTZMANN, A.** Vienna, Manu.—Tapis and ramage shawls. Long shawls.
- 311 HAYDTER, S.** Vienna, Manu.—Ramage and long shawls.
- 312 KUBO, J. & SON, Vienna, Manu.**—Tapis and ramage shawls. Long and Thibet shawls.
- 313 MARTINEK, J.** Vienna, Manu.—Tapis and ramage shawls. Long shawls.
- 314 MOGEL, N.** Vienna, Manu.—An assortment of shawls.
- 315 REINHOLO, W.** Vienna, Manu.—Tapis and ramage shawls. Long shawls.
- 316 REIS, J.** Vienna, Manu.—Ramage and long shawls.
- 318 SCHINDL, A.** Vienna, Manu.—Shawl-handkerchiefs and long shawls.
- 319 WENZEL, C.** Vienna, Manu.—Fancy woollen and cotton shawls. Shawls for mourning.
- 320 BLUMEL, Z.** Vienna, Manu.—Large assortment of shawls, shawl-handkerchiefs, long shawls and scarfs.
- LEATHER AND MANUFACTURES.**—The manufacture of leather in Austria is extensive. A superior article is produced in Bohemia and Lower Austria, the principal seats of the manufacture. The Bohemian glove leather, of goat, lamb, and sheep-skins is of good quality. Also in japanned calf-skins, fine coloured and split Russian and morocco leathers, progress to a considerable extent has been made.
- The manufacture of gloves at Vienna employs a large number of hands, particularly women, and the exports are considerable. In Prague also, fine gloves are made. Ordinary kinds of so-called washing gloves are made on a large scale in several smaller towns in Bohemia.
- For harness-makers', saddlers', and trunk-makers' work, Vienna has likewise a good reputation.
- Bookbinding and fancy-work in leather, are of some importance in Vienna. Durability, good taste, and moderate prices have made them articles of export to Germany and Italy.
- 321 MESSNER, F.** Reutte, Tyrol, Manu.—Brown calf-skin. Brown and black cow-leather, for waterproof boots.
- 322 POLLEAK, J. J. & SONS, Prague, Bohemia, Pat. and Manu.**—Brown, black, pressed, and grained calf-skin. Black japanned calf and sheep-skin. Black japanned grained sheep-skin. Chamols dressed sheep-skin.
- 323 SECKORA, J.** Alderkosteler, Bohemia, Manu.—Cow-leather, tanned with pine bark.
- 324 SUSS, A. H.** Vienna, Manu.—Brown calf-skin, japanned calf-skin, calf and sheep-skin, and kid leather in various colours for fancy articles. Sheep-skin for furniture covering.
- 325 WOLFF, F.** Hermannstadt, Transylvania, Currier.—Goat and sheep-skins of various colours. Calf-skins. Printed goat-skins.
- 327 CHRISTIL, J.** Vienna, Manu.—Gentlemen's boots and shoes, waterproof-shooting-boots. Boots with cork and wood-pegged soles, and with hollow heels.
- 328 FRANK, J.** Vienna, Pat.—Boots soled with a newly-invented material.
- 329 LANGER, J.** Vienna, Manu.—Gentlemen's boots and shoes.
- 330 SHOEMAKERS' ASSOCIATION, Hermannstadt, Transylvania.**—Shoes and boots (called Tschiszmen) belonging to the Saxon and Rumanian national costume.
- 331 HELIA, J.** Vienna, Manu.—Ladies' shoes, boots, and slippers.
- 332 FRIEDL, L.** Vienna, Manu.—Ladies' shoes, over-shoes, and half-boots with pegged soles.
- 333 KUNERTZ, A.** Vienna, Manu.—Ladies shoes. Slip-

pers with velvet and gold embroidery. Gentlemen's shoes. Over shoes.

334 BOGLOUNE, P. Prague, Bohemia, Manu.—Kid and lamb-skins for gloves.

335 JAQUEMAR, F. Vienna, Manu.—Kid gloves for ladies and gentlemen.

336 GLOVERS' ASSOCIATION, Prague, Bohemia.—Ladies and gentlemen's gloves of kid, lamb, and sheep-skin. Gentlemen's gloves of rein-deer leather.

337 POSTSCHERT, —. Hermannstadt, Transylvania, Manu.—Sheep-skin and kid leather.

338 GRELINCK, J. Prague, Bohemia, Manu.—A variety of harness.

339 LÖFFLER, F. Prague, Bohemia, Manu.—Saddles of various kinds.

340 ZAFF, I. Vienna, Pat. and Manu.—Saddles, girths, bridles, and horse-rugs.

341 GRUBER, F. Vienna, Manu.—Riding and other whips, with buttons and handles of silver, ivory, whalebone, horn, &c.

342 MARCSCHER, M. F. Pest, Hungary, Manu.—Hungarian Csikós whip.

343 GROGHOFF, G. Vienna, Manu.—Travelling trunks, hunting-pouches, and carpet-bags.

344 EINHÄUSER, J. Uderna, Tyrol, Leather-cutter.—Tyrol hunting-pouches, gun-slings, and belts.

345 LEATHER-CUTTERS' ASSOCIATION, Hermannstadt, Transylvania.—A belt.

346 GEYER, J. Pesth, Hungary, Furrier.—Hungarian sheep-skin Bund (a cloak).

347 ASSOCIATED FURRIERS, Hermannstadt, Transylvania.—Black lamb-skins. Wallachian and Heltau furs.

348 DINEK, F. Vienna, Manu.—Gutta percha articles, including sticks, riding-whips, snuff-boxes, goblets, flower-pots, &c.

349 LANG, F. Stadt, Steyer, Manu.—Artists' brushes of various kinds.

350 PATTAK, G. Hermannstadt, Transylvania, Manu.—Horse-brush. Cloth and hair-brushes.

351 BAYER, J. G. Hermannstadt, Transylvania, Hatter.—Felts, and materials for making felt.

352 HÜMSCH, J. Prague, Bohemia, Manu.—Bohemian silk and hair hats.

353 KRISZ, C. Prague, Bohemia, Manu.—Felt and silk hats. Thibet mechanical hats.

354 MUCK, J. Prague, Bohemia, Manu.—Silk and felt hats and bonnets, of various kinds. Felt shoes and boots. Samples of coloured felt cloth.

355 SERA, A. Prague, Bohemia, Manu.—Felt and silk hats; waterproof military hats; shooting hats of wool and hair.

HORSE-HAIR.—Sieve bottoms are made in Illyria in considerable quantities, at very moderate prices, and of good quality.

They are principally exported; and chiefly to Italy, France, the Netherlands, Spain, Gibraltar, Serbia, Bosnia, &c.

356 BENEDIO, J. Strassisch, Krainburg, Illyria, Manu.—Horse-hair sieve bottoms, of various kinds. Cylindrical sieve-bottoms, for paper manufactories.

357 GLOBORSCHNIK, A. Strassisch, Illyria, Manu.—Horse-hair sieve bottoms of various kinds. Cylindrical sieve-bottoms, for paper manufactories.

358 LOCKER, D'ANTONIO, Krainburg, Illyria, Manu.—Horse-hair sieve bottoms of various kinds. Cylindrical sieve-bottoms, for paper manufactories.

359 PYENBERGER, J. Heiligenstädt, Vienna, Manu.—Oil-cloths. Figured fustians and cottons. Table-covers to resemble wood. Floor-cloths. Carriage carpets. Figured communion cloths.

PAPER, TYPOGRAPHY, ENGRAVING, PAPER-HANGINGS, AND DRAWING MATERIALS.—The paper manufacture in Austria

takes no inconsiderable place in the industry of the empire. With the exception of the finest sorts of letter-papers (principally the ornamented and coloured), and some particular kinds of fine tissue paper, the production is not only sufficient for the home demand, but also for exportation.

Lombardy, Bohemia, and Lower Austria, are the principal seats of paper manufacture. The ample quantity and the good quality of the raw material, principally supplied by Hungary, and the superior mode of manufacture, will sufficiently explain the progress of this branch.

The same may be said of paper-hangings, a trade which, by the enterprise of the manufacture, is flourishing. A considerable quantity is exported from Vienna to Italy.

Playing-cards are also largely manufactured.

Typography in Austria has of late years been greatly improved in all its branches, and now assumes a very high position.

Specimens of engravings on steel and copper, and lithography, are exhibited, and the maps especially are worthy of notice.

360 SMITH & MEYNER, Fiume, Mann.—White printing, drawing, writing, foolscap, and letter papers, of various kinds. Coloured paper.

361 ECKERTH, J. Stubenbach, Schüttenbafen, Bohemia, Mann.—Packing paper (fannel paper), of a peculiar kind, to be used in packing mirrors or glasses, by laying it between the same instead of strips of cloth.

362 IMPERIAL COURT AND GOVERNMENT PRINTING OFFICE, VIENNA.—Specimens of typography and printing of all descriptions.

363 IMPERIAL MILITARY GEOGRAPHICAL INSTITUTE, VIENNA.—A variety of maps.

364 CERRI, C. Officer in the Imperial Military Geographical Institute, Vienna.—Map of Italy, in eight sheets.

365 RAFFELBERGER, F. Vienna, Pa. and Printer.—Maps, with the names in the German, Hungarian, Bohemian, Servian, Illyrian, Italian, French, and English languages, executed by the ordinary printing press.

366 BATTAGLIA, G. Venice, Printer.—Specimens of typography, with simple and convenient binding.

367 HADSE, G. & SONS, Prague, Bohemia, Printers and Type-founders.—Type of various kinds. Specimens of typography, including a variety in gold, silver, and colours. A Missale Romanum, &c.

368 ARNETZ, J. Director of the Imp. Numismatic and Antiquarian Cabinet, by W. Braunmüller, Vienna.—A work on gold and silver monuments, by the exhibitor (as a sample of the process of copper-plate engraving in Vienna).

369 RAUH, J. Vienna, Lithographic Printer.—An album, containing lithographic copies from original drawings by Vienna artists. Specimens of the various styles of lithography and printing.

370 BERMANE, J. Vienna, Publisher.—Lithographs: Views on the banks of the Danube. The Austrian armies during the course of two centuries. Statistical maps of Austria.

371 MECHETTI & CARLO, Vienna, Publishers.—Portraits drawn from nature, by Krichuber. Music composed by Dessauer, Spohr, Willmers, Strauss, &c.

372 MÜLLER, H. F. Vienna, Publisher.—Map of Car-niola. Illustrations to the History of Austria, by Professor Geiger. Album of the Vienna artists. Album of waltzer and national melodies.

373 NEUMANN, T. L. Vienna, Publisher.—Lithographs: Portraits, battle scenes, &c. Album, containing views of Vienna.

374 STREGER, G. Vienna, Mann.—Playing-cards, of four sorts, exhibited in a frame. The frame by J. Griller, of Vienna. The metal ornaments by Gottochalk and Lamasch, Vienna.

375 SCHUTZ, F. Vienna, Calligraphist.—A calligraphic tableau.

376 HARENWICHT, A. Vienna, Dressing-case maker.—Ladies' toilet-table, with ivory ornaments. A painter's case. Fancy articles of leather, portfolios, cases, pockets, ladies' and gentlemen's companions, travelling medicine chests, cigar-boxes, port-monnaies, lucifer-match boxes, &c.

377 STRASDO, W. Prague, Bohemia, Bookbinder.—A bill casket. An album with the view of the royal castle at Prague, papeterie.

378 KESSEL, A. Vienna.—Fancy-ware of wood and paper; paper baskets; screens; letter-weight; tableau. Samples of stamped-paper ornaments.

379 JONKE & THURLE, Vienna.—Pasteboard ware: caskets, watch-stands, pin-cushions, goblets, &c. Stone paste-board ware: cups, baskets, caskets, watch-stands, pin-cushions, &c.

380 BERGER, C. H. Vienna.—Wafers of paper and gelatine, of different kinds.

381 HARDTMUTH, L. & C. Vienna, Mann.—Black lead and red-chalk pencils of various kinds.

382 GROHMANN, A. Schläslande, Bohemia, Mann.—Silk-lace, petinet, veils, &c.

383 MEHL, A. HEISE, Vienna, Mann.—Silk-lace, woollen-lace, of different colours. Embroideries, including pocket-handkerchiefs, ladies' dresses, collars, &c.

384 RÖHL, S. Graslitz, Bohemia, Mann.—Silk bayadere handkerchiefs. Embroidered cambric pocket-handkerchiefs. Embroidered chemisettes.

385 SCHLICK, F. Vienna, Mann.—A large assortment of silk-lace, petinet, and point-net-lace, bayadere, handkerchiefs, veils, shawls, scarfs, &c.

386 BOSE, J. Vienna, Mann.—Embroidered shawls and scarfs.

387 LAPORTA, H. F. Vienna.—Embroidered scarfs and handkerchiefs. Mantillas. Scarfs. Velvet and cashmere shawls.

388 BACHOFER, F. Vienna, Embroiderer.—A coat-of-arms, embroidered with gold, silver, and silk.

389 BENKOWITZ, MARIE, Vienna, Artistic Embroiderer.—An embroidery of crape-thread on white gros de Naples, representing Beneficence. An embroidery of wool and silk, representing the grave of the fallen soldier.

390 FURMATA, MARIA, Belluno.—An embroidered carpet.

391 KRACH BROTHERS, Prague, Bohemia, Mann.—A dress coat of peculiar workmanship. A double coat that can be worn on either side, made of a new material. A coat made of woollen stuff, of peculiar cheapness. Another made of a new woollen stuff.

392 SEIFER, J. Pest, Hungary, Mann.—Gentlemen's apparel.

393 BUDINSKY, A. Reichenberg, Bohemia, Mann.—Hosiery, including ladies' and gentlemen's vests, trousers, caps, shoes, &c.

394 MALATINSKY, E. Miskotz, Hungary, Mann.—Hungarian national dresses, called *ssur*.

395 RISO & KRAUSCHMAR, Rima Szombath, Hungary, Mann.—Various Hungarian coats (*guba*). Hungarian shooting coats.

396 OESTREICHER, D. Mayk, Hungary, Mann.—A white and a grey Hungarian cloak (*guba*). Hungarian cloths (*ballina*) and rugs.

397 SCHRAMM, S. Hermannstadt, Transylvania, Weaver.—Veils for the Roman national costume.

398 TRADE UNION, Hermannstadt, Transylvania.—Szelistjan rugs. A Szarika, belonging to the Wallachian national costume (produce of the domestic industry of the Wallachian peasantry).

399 SEITZER, A. Brünn Moravia, Mann.—Oriental caps ('*fer*'), of various kinds.

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400 RADKEMPER COMMUNITY, Vordernberg, Styria.—Soft pig-iron, sparry iron ore, gangue stone, alaga. Bar-iron, prepared for making blistered steel.

Iron.—Austria stands in the first rank of continental countries in the production of iron, both as regards the quantity and quality of its ores, and the antiquity of its mines.

The iron productions of the Austrian empire may be divided into that of the Alpine countries (Styria, the Tyrol, Carniola, Upper and Lower Austria, and Lombardy); of the mountain districts of Bohemia, Moravia, and Silesia; and of the Carpathian countries (Hungary, Galicia, and Transylvania). The nature of the ore in Bohemia and Moravia, as also in the Carpathian countries, is more fit for the production of cast-iron and articles made from the same, whilst the Alpine countries have mainly devoted themselves to the production of steel and wrought-iron.

The exhibition affords a comprehensive idea of this important department of Austrian industry. Almost every part of it is represented; Bohemia, Moravia, Styria, Lower Austria, the Tyrol, Carniola, and Carinthia having sent specimens of their several iron productions, commencing with the raw produce in different stages of preparation; next follow the sheet-iron and wires, and finally the finished manufactures.

The Austrian iron, and particularly the Austrian steel (called in England Milan steel) is acknowledged to be of superior quality, in consequence of which so great a demand for the latter has been created abroad, that the manufacturers of scythes, among others, complain of want of material.

Hitherto charcoal has been mostly used in the iron works, but coals are beginning to take its place; and also all the new improvements in smelting and refining are being adopted.

401 VON EGGER, Count G., Knappenberg, Carinthia.—Heavy spar. Crystallized and efflorescent sparry iron-ore. Crystallized calcareous spar on brown iron-ore.

402 VON EGGER, Count G., Hüttenberg, Treibach, and Oberfellach, Carinthia.—Pig-iron, cast-steel, brescia, and die-steel. Nails for the Levant.

403 RADKEMPER'S Co. IRONWORKS, Heft and Massing, Carinthia.—Pieces of iron-ore, white and refined scoriae and sheet-iron.

404 VON KRISTALNIG'S CARL MINING Co. Eberstein, Carinthia.—Brown iron-stone. Brown and heavy spar. White cast-iron for making steel. Fine metal for puddling. Grey metal for casting.

405 CARL, Z. W. IRONWORKS, at Tauerburg, Freistritz and Wochlen, Carniola.—Iron-ores, pig-iron, bar-iron, steel, and saw-steel.

406 KOSSUCH, J. Fzinobánya, Hungary.—Ankeris iron-ore, raw, half, and entirely efflorescent; also roasted. Samples of pig-iron produced from these ores.

407 IMPERIAL SMELTING WORKS, Fillersee and Zennback, Tyrol.—Refined steel, spring-steel, and cast-steel. Cast-steel for scythes blades, refined steel and spring-steel from Zennback. Sparry iron-ore. Pig-iron and steel from Fillersee.

408 DÉPÔT DE L'IMPERIAL IRON MINES AND IRON WORKS, Vienna.—Cast-steel, from Eisenerz in Styria. Scoriae and slags from Eisenerz. Raw-steel, wheel-teira, rails, joint-hooks, and tools from Neuberg, in Styria. Sparry iron-ore, and cast-iron from Mariasell.

409 VON EGGER, Count FERDINAND, Lippitzbach, Carinthia.—Hoop, square, and cylindrical iron. Rolled saw-blades of raw steel. Plates of hard iron for cementing.

410 VON EGGER, Count F. Freibach, Carinthia.—A selection of Brescian steel, including cast, acialon, fir, and saythe steel.

411 TÖPFER, A. Scheibbs.—Hoop and rod iron. Sheet-iron. Ship, tender-roofing, and tubing sheet-iron. Welded tubes for manometers, and water and gas-pipes.

412 FÜRSTENBERG, Prince, Althütten, Neuhütten, Rostok and Neujosephsthal, Bohemia.—Various samples of wrought and stretched iron, round and flat-angle iron, carriage-spring iron, plough-shares, spring-iron, sheet-iron for boilers, wrought lathe-spindles. Several cast-iron stoves and monuments. Colossal crucifix, chains, &c.

413 METZNERICH, Prince, Plas, Bohemia.—Cast-iron stove for a hunting-seat.

414 BOGOWAR, Count, Kallich, Bohemia.—Hoop-iron, round bar-iron, sheet-iron, &c.

415 ANDRÁSY, Count G. Derné, Hungary.—Rod-iron stretched by charcoal-gas loops.

416 IRONWORKS OF THE CHAPTER OF GURK, St. Magdalena, Carinthia.—Various kinds of steel: Brescia steel. Steel for files and scythes.

417 SCHWARZENBERG, Prince, Muran, Upper Styria.—Psal steel, Brescia steel, Styria steel, and hard iron. Refined steel. Soft iron for blistered steel.

418 FYSZNER, J. Spitzenebach, Upper Styria.—Schwarzech and Brescia steel. Steel for scythes and mills.

419 VON TRUBER, Count G. Streitoben, Schwarzenbach, and Mias, Carinthia.—Various kinds of steel and iron for nails.

420 FISCHER, A. St. Aegydi.—Iron-ore and pig-iron. Spring-steel. Various samples of rolled bar-iron. An assortment of iron-wire. 285 samples of files.

421 FISCHER, B. Traisen, Mann.—Various articles of cast-steel, including spindles for spinning establishments, &c. Articles of malleable cast-iron, such as gun-locks; broken pieces, to show the grain, and its yielding nature.

422 LINDNER, H. D. Plas, Bohemia.—Railroad rails. Bar-hoop and rod-iron.

423 PRIVILEGED ASSOCIATION OF MANUFACTURERS, Wöllersdorf.—Tinned sheet-iron. Embossed and chased forms of tin.

424 VON KLEIN, Baron, Neudeck, Bohemia.—Tinned sheet-iron. Thin sheet-iron, called iron-paper.

425 VON EGGER, Count F. Feistritz, Carinthia.—String, cording, currying bed-springs, and pit-rope wires. Fine, middle, and ordinary wire.

426 FISCHER & WURM, St. Egidl, Pat. & Manu.—Different descriptions of iron-wire rope.

427 ERNSTALLER & SCHINDLER, Stadt Steyer, Manu.—Ordinary and fine iron-wire. Wire for musical strings. Saws.

428 HUEBER, F. Josefsthal, Styria.—Different kinds of iron and steel wire.

429 SCHEDL, C. Wasserling and Franenthal.—Rolls of different kinds of iron-wire. Steel-wire. Ordinary, middling, and fine wire. Spring-wire.

430 SALM, Prince, Blanska, Moravia.—Cast-iron gas chandelier, from a drawing of M^r. Bernardis, in Vienna. Cast-iron statue: Field-marshal Count Radetzky.

431 ALBRECHT, Archduke, Trziniets, Silesia.—Cast-iron cooking apparatus, with non-metallic enamelling.

432 BARTELMUS BROTHERS, & BERNHARDI, Neujosephsthal, Bohemia.—Cast-iron cooking apparatus, with non-metallic enamelling. Horse-manger, &c.

433 PLEISCHL, A. Vienna, Pat. & Manu.—Sheet-iron saucepans, with a non-metallic enamel.

ARTICLES IN COMMON METALS AND THEIR ALLOYS.—The manufacture of articles in pewter, lead, copper, brass, pinchbeck, bell-metal, German silver, albatra, bronze, gilt, silvered and plated metals, has its principal seat in Vienna. They are either articles for use or ornament. The former, of copper, brass, &c., are very substantially made, and not only supply the home market, but are also extensively exported. The export trade of Vienna in gold and silver fancy articles has for some years been considerable, great taste having been combined with solidity. Also the manu-

figure of cast and embossed articles of bronze, gilt, is flourishing, and gives employment to a large number of workpeople.

434 **KITSCHELT**, A. Vienna, Mann.—Various metal articles, viz. :—A vase, a cross, and two candlesticks, cast in iron, from the drawings of Mr. Stache, in Vienna. Table, cast in zinc. Flower-vase of bronze, cast in one piece. Toilet-table, fauteuils, and chairs of hollow wrought-iron tubes, with cast-iron ornaments.

435 **ROGER**, J. B. Villach, Carinthia, Mann.—A pressed leaden pipe, 900 feet long, in one piece. Two pieces of pressed leaden pipes (tinned). These leaden pipes are especially worthy of observation, on account of their great length, thinness, and equality; they can be made of any length.

436 **HIRSCH**, F. Brünn, Moravia. — Church-lamp, drawing-room service, writing materials, tea-pot, &c., of tin. Samples of ornaments and letters.

437 **WAGNER**, F. Prague, Mann.—Iron cash-box, weighing 370 lbs.

438 **BEITL**, F. Prague, Mann.—Two iron cash-boxes, weight 360 lbs. and 463 lbs.

SCYTHES, SICKLES, AND STRAW-CUTTERS.—The importance of these articles, as well as the prominent position of the manufacture of them in Austria, is generally known. The Austrian scythe and sickle find their way into almost every country in Europe, and almost across the Atlantic. The reason of this is to be found in the excellence of the material, the lowness of the price, and the care with which they have been made for centuries.

The principal seat of the manufacture is Upper and Lower Austria, Styria, and part of the Tyrol, which furnish nearly three-fourths of the whole number made.

Stadt Steyer, in Upper Austria, alone furnishes annually nearly two million scythes and sickles; and the whole production of 142 works in the monarchy (not including 34 scythe-factories in Lombardy) amounts to about seven million scythes, sickles, and straw-cutters.

Specimens are exhibited of various shapes and sizes used in the different countries.

439 **DIETRICH**, J. Baron, Spital-on-the-Semmering, Styria, Mann.—An assortment of scythes.

440 **GATT**, A. Erl, near Kufstein, Tyrol, Mann.—A variety of scythes.

441 **GRABER**, J. Weer, Valley of the Lower Inn, Tyrol, Mann.—An assortment of scythes.

442 **GRAND**, J. Finsing, Tyrol, Mann.—An assortment of scythes.

443 **HIERKENBERGER**, G. Leonstein, near Stadt-Steyer, Mann.—Various scythes.

444 **OFFNER BROTHERS**, Wolfsberg, Carinthia, Mann.—Different kinds of scythes.

445 **PANER**, S. Schelohen, near Mattighofen, Mann.—Scythes, and chaff-cutter.

446 **PENZ**, J. Mühleran, in the Zillertal, Tyrol, Mann.—Different kinds of scythes.

447 **PENZ**, T. Kleinboden, Tyrol, Mann.—An assortment of scythes.

448 **WEINMEISTER**, G. Spital-on-the-Pyhrn, Mann.—Various scythes, of Innerberg, and cast-steel.

449 **WEINMEISTER**, J. Brühthal, Mann.—An assortment of scythes.

450 **ZETTLINGER**, J. Spital-on-the-Pyhrn, Mann.—Different kinds of scythes.

451 **ZETTLINGER**, J. A. Eppenstein, Styria, Mann.—Different kinds of scythes.

452 **ZIMMERMANN**'s, B. Hiers, Mairhofen in the Zillertal, Tyrol, Mann.—An assortment of scythes.

453 **FREDBAUMER**, P. Trofajach, Styria, Mann.—Various kinds of pickaxes, hatchets, axes, saws, &c.

454 **LOSKOVITZ**, Prince F. Miknitz, Styria.—Various kinds of shovels and hoes.

455 **SCHMIDLEHNER**, J. Neuzeng, near Stadt Steyer, Mann.—Various hatchets.

456 **DUBSKY**, Count, Eisnitz, Moravia.—Various kinds of iron-wire tacks, and ornamental wire tacks for decoration, &c.

457 **ERNST**, P. Stadt Steyer, Mann.—Brads (shoe-nails) assorted.

458 **FALENT**, M. Stadt Steyer, Mann.—Various kinds of forged nails.

459 **SANDERL**, L. Stadt Steyer, Mann.—Iron nails of different kinds, made by machinery.

460 **VINGERT**, A. Stadt Steyer, Mann.—Brads (shoe-nails) assorted.

461 **WEIDL**, M. Stadt Steyer, Mann.—An assortment of nails, made by machinery.

462 **HALLER**, A. Neuzeng, near Stadt Steyer, Mann.—Brass rings of different kinds.

463 **KRONWITZER**, J. Neuzeng, near Stadt Steyer, Mann.—Finchbeck rings of different kinds.

464 **POGER**, F. Stadt Steyer, Mann.—German-silver rings of different kinds.

465 **KWIZ**, C. Stadt Steyer, Mann.—Various iron chains for horses.

466 **KOLLER**, F. Steinbach, near Stadt Steyer, Mann.—Curry-combs of different kinds.

467 **MITTERRUCKER**, J. Sierminghofen, near Stadt Steyer. Shoe tips and heels.

468 **RING**, J. Neuzeng, near Stadt Steyer, Mann.—Stools for striking lights, of different kinds.

469 **GRABER**, F. Malln, near Stadt Steyer, Mann.—Jew's harps, of brass and iron.

470 **SCHWARK**, C. Malln, near Stadt Steyer, Mann.—Jew's harps.

471 **SCHWARK**, F. sen. Malln, near Stadt Steyer, Mann.—Jew's harps.

472 **SCHWARK**, F. jun. Malln, near Stadt Steyer, Mann.—Jew's harps.

473 **SCHWARK**, I. Malln, near Stadt Steyer.—Jew's harps.

474 **BLOMBAUER**, W. Stadt Steyer, Mann.—Bells for horses, of different kinds.

475 **TOMASCHITZ**, J. Veldea, Upper Carniola, Mann.—Bells of various kinds for cattle; used among the Alpine agriculturists of Tyrol, Styria, Carinthia, and Carniola.

476 **PFLIEDERER**, J. Stadt Steyer, Mann.—Scales (balances) of brass.

477 **STREUBER**, J. Widow, Vienna, Mann.—Sample of pins and needles.

478 **CASSEL**, J. Vienna, Mann.—Shot-bags, powder-flasks, powder-measure, percussion-cap cases, hunting-pipe, fox-traps, lucifer-match boxes, travelling lucifer-match boxes, writing utensils, &c.

479 **BUCHENBERGER**, J. Stadt Steyer, Mann.—Awls of different kinds.

480 **DERFLER**, J. Neuzeng, near Stadt Steyer, Mann.—Awls of different kinds.

481 **DIZSCH**, J. Stadt Steyer, Mann.—Awls of different kinds.

482 **HANKER**, J. Stadt Steyer, Mann.—Drills for wood, of different kinds.

483 **KRITENHUBER**, J. Stadt Steyer, Mann.—Awls of different kinds.

484 **KOLM**, J. Stadt Steyer, Mann.—Awls of different kinds.

485 **MEITZ**, G. Stadt Steyer, Mann.—Drills for wood, of different kinds.

486 **MOLTERER**, C. Sierminghofen, near Stadt Steyer, Mann.—Awls of different kinds.

487 **MOLTERER**, C. Neuzeng, near Stadt Steyer, Mann.—Awls of different kinds.

488 MOLTERER, G. Stadt Steyer, Mann.—Awls of different kinds.

490 MALTZER, M. Taolmat, Stadt Steyer, Mann.—Awls for shoemakers and saddlers.

491 MOLTERER, V. Neuzeng, near Stadt Steyer, Mann.—Awls of different kinds.

492 NORTHEART, F. Neuzeng, near Stadt Steyer.—Awls of different kinds.

493 REINDL, J. Stadt Steyer, Mann.—Drills for wood, of different kinds.

494 TOUPLMAYER, C. Stadt Steyer, Mann.—A vice and a screw-plate.

495 BEYER, A. Stadt Steyer, Mann.—An assortment of files.

496 LECNER, M. Stadt Steyer, Mann.—Files of different kinds.

497 NUBRAUNER, L. Stadt Steyer, Mann.—Files, assorted.

498 PRETZLER, M. Stadt Steyer, Mann.—Files of different kinds.

499 REICHEL, J. Stadt Steyer, Mann.—Files of different kinds.

500 SCHWLEITNER, A. Stadt Steyer, Mann.—Files of different kinds.

501 UNERRIG, F. Stadt Steyer, Mann.—Files and rasps of various kinds.

502 VATER, F. Neuzeng, near Stadt Steyer, Mann.—Files of different kinds.

CUTLERY.—The manufacture of cutlery in Austria has its principal seat in Stadt Steyer, Upper Austria, and its neighbourhood. Not only the great extent and importance of the manufacture, but, above all, the excellent quality of the article and the extraordinarily low price, have brought the cutlery of Stadt Steyer into almost universal use throughout the monarchy, and made all competition in the lower and middle kinds of table knives and forks and pocket-knives almost impossible.

The wares universally known under the name of "Steyer cutlery" are not produced by large manufacturing establishments, but principally by small master cutlers; and the division of labour, with respect to the handles, rivets, and blades, has been in practice for many years; a series of specimens of those knives and forks which are principally in demand is exhibited, and attention must be drawn more to the excellence and cheapness of the articles than to their finish.

The manufacture has greatly increased, particularly in the past year.

Of fine cutlery, specimens are exhibited from some establishments in Steyer, as well as from the excellent one of Mr. Esler, in Nixdorf, Bohemia.

Stadt Steyer also produces weapons, &c., on a large scale, and some samples are exhibited.

Finer kinds of cutting tools are made in Vienna, Linz, and other towns in large quantities.

503 ALSTERBERGER, J. Stadt Steyer, Mann.—Knives and forks of different kinds.

504 BAUER, J. Steinbach, near Stadt Steyer, Mann.—Pocket-knives of different kinds.

505 BLIX, J. Stadt Steyer, Mann.—Razors of different kinds.

506 BREHLMAYER, J. Stadt Steyer, Mann.—Razors of different kinds.

507 BURENTHKE, J. Hermanstadt, Transylvania, Mann.—Garden knives. Pistol and knife belonging to the Roman national costume.

508 DAUCKER, S. Untergrünburg, near Stadt Steyer, Mann.—Knives and forks of different kinds.

509 DERNEBERGER, F. Grunberg, near Stadt Steyer, Mann.—Garden-knives of different kinds.

510 DISTEL, M. Stieringhofen, near Stadt Steyer, Mann.—Table-knives of different kinds.

511 DORFLER, A. Stieringhofen, near Stadt Steyer, Mann.—Knives and forks of different kinds.

512 FÖRSTER, L. Neuzeng, near Stadt Steyer, Mann.—Knives of different kinds.

513 FRESCHER, A. Stieringhofen, near Stadt Steyer, Mann.—Table-knives of different kinds.

514 FRIEDLICH, C. Steinbach, near Stadt Steyer, Mann.—Pocket-knives of different kinds.

515 FRIEDLICH, J. Steinbach, near Stadt Steyer, Mann.—Pocket-knives of various kinds.

516 GRUNWALD, J. Neuzeng, near Stadt Steyer, Mann.—Table-knives of different kinds.

517 HAENDL, A. Stadt Steyer, Mann.—Knives and forks of different kinds.

518 HELM, A. Stieringhofen, near Stadt Steyer, Mann.—Knives of different kinds.

519 HOFER, P. Stieringhofen, near Stadt Steyer, Mann.—Table knives of different kinds.

520 KALTENMARK, P. Linz, Mann.—Razors, and an assortment of knives and scissors.

521 KERBLER, J. Stieringhofen, near Stadt Steyer, Mann.—Table-knives of different kinds.

522 KRANAWITZER, J. Neuzeng, near Stadt Steyer, Mann.—Knives of various kinds.

523 LUCHT, J. Stadt Steyer, Mann.—Knives and forks of different kinds.

524 LUDNER, F. Stadt Steyer, Mann.—Knives and forks of different kinds.

525 LÖSCHENKORL, C. Frattenbach, near Stadt Steyer, Mann.—Knives of different kinds.

526 LÖSCHENKORL, J. Steinbach, near Stadt Steyer, Mann.—Pocket-knives of various kinds.

527 MODERBACH, M. Steinbach, near Stadt Steyer, Mann.—Pocket-knives of various kinds.

528 MILLER, R. Steinbach, near Stadt Steyer, Mann.—Pocket-knives of various kinds.

529 MITTNER, J. sen. Stadt Steyer, Mann.—Hunting knives and swords of different kinds.

530 MITTNER, J. Stadt Steyer, Mann.—Knives and scissors of different kinds.

531 MOZZA, A. Stieringhofen, near Stadt Steyer, Mann.—Pocket-knives of different kinds.

532 MOZZA, A. Steinbach, near Stadt Steyer, Mann.—Penknives of different kinds.

533 MOZZA, C. Steinbach, near Stadt Steyer, Mann.—Knives and forks of different kinds.

534 MOZZA, F. Steinbach, near Stadt Steyer, Mann.—Knives of different kinds.

535 MOZZA, G. Stieringhofen, near Stadt Steyer, Mann.—Pocket-knives of different kinds.

536 MOZZA, J. Steinbach, near Stadt Steyer, Mann.—An assortment of knives.

537 MOZZA, J. Stieringhofen, near Stadt Steyer, Mann.—Table-knives of different kinds.

538 OBERMANNBERGER, L. Stadt Steyer, Mann.—Knives of different kinds.

539 PIELER, J. Neuzeng, near Stadt Steyer, Mann.—Knives of different kinds.

540 PIZL, C. Neuzeng, near Stadt Steyer, Mann.—Knives and forks of different kinds.

541 PIZL, F. Neuzeng, near Stadt Steyer, Mann.—Knives of different kinds.

542 PIZL, G. Stieringhofen, near Stadt Steyer, Mann.—Pocket-knives of different kinds.

543 PIZL, M. Neuzeng, near Stadt Steyer, Mann.—Knives and forks of different kinds.

544 PIZEL, G. Stieringhofen, near Stadt Steyer, Mann.—Knives of different kinds.

- 545 FICHLER, J. Sterninghofen, near Stadt Steyer, Mann.—Table-knives of different kinds.
- 546 J. FRUTTERKIND, J. Neuzeng, near Stadt Steyer, Mann.—Table-knives of different kinds.
- 547 RAFF, M. Stadt Steyer, Mann.—Table-knives of different kinds.
- 548 RIBEL, J. Steinbach, near Stadt Steyer, Mann.—Knives of various kinds.
- 549 RIBEL, M. Steinbach, near Stadt Steyer, Mann.—Knives of different kinds.
- 550 RIEDLER, J. Neuzeng, near Stadt Steyer, Mann.—Knives and forks of different kinds.
- 551 RIEDLER, L. Stadt Steyer, Mann.—Knives and forks of different kinds.
- 552 RIEGLER, I. Nixdorf, Bohemia.—An extensive assortment of razors, knives, and scissors.
- 553 RUFFRACHT, S. Stadt Steyer, Mann.—Razors of different kinds.
- 554 SALZWINKEL, P. Sterninghofen, near Stadt Steyer, Mann.—Table-knives of different kinds.
- 555 SCHWIDLER, S. Steinbach, near Stadt Steyer, Mann.—Knives of different kinds.
- 556 SCHWIDHARTNER, S. T. Steinbach, near Stadt Steyer, Mann.—Pocket-knives of various kinds.
- 557 STIERHOFFER, A. Stadt Steyer, Mann.—Knives and forks of different kinds.
- 558 STIERL, J. jun. Stadt Steyer, Mann.—Scissors of different kinds.
- 559 STUCKHART, J. Stadt Steyer, Mann.—Knives and forks of different kinds.
- 560 VORTE, A. Sterninghofen, near Stadt Steyer, Mann.—Cutlery of different kinds.
- 561 WACHTER, Leopold Stadt Steyer, Mann.—Razors of different kinds.
- 562 WEICHELBAUMER, J. Neuzeng, near Stadt Steyer, Mann.—Knives and forks of different kinds.
- 563 WEICHELBAUMER, M. Sterninghofen, near Stadt Steyer, Mann.—Knives of various kinds.
- 564 TRUPFLMEYER, J. Untern Himmel, near Stadt Steyer, Mann.—A variety of surgical instruments.
- 565 BACHER, F. Stadt Steyer, Mann.—An assortment of shoemaker's tools.
- 567 GROSCHNER, A. Stadt Steyer, Mann.—A variety of shoemaker's tools.
- 568 GROSCHNER, F. Stadt Steyer, Mann.—An assortment of shoemaker's tools.
- 569 KLEMENT, F. Stadt Steyer, Mann.—An assortment of tools of steel, for cabinet-makers, carriage-builders, carpenters, &c.
- 570 SAILER, J. Stadt Steyer, Mann.—Various tools of steel.
- 571 WELZBRACH, K. Stadt Steyer, Mann.—Tools of steel, assorted.
- 572 WERN, J. & SOHN, Vienna, Mann.—Assortment of cabinet-maker's, cooper's, and carriage-maker's tools.
- 573 WESTHEIM, F. Vienna and Scheibbs, Mann.—An extensive variety of cabinet-maker's, cooper's, carriage-maker's, leather-dresser's, and turner's tools.
- 574 BAUMNER, A. Vienna, Mann.—Samples of compass saws.
- 575 BACHER, A. B. Prague.—Embossed silver-ware: cups, goblets, salt-cellars, bread-baskets, oil and vinegar-cruets, sets of knives, forks, and spoons; inkstands, &c.
- 576 GROHMANN, H. Prague.—Gold trinkets. Set of Bohemian garnets.
- 577 RATZENDORFER, H. Vienna.—A toilet-glass of massive wrought and embossed silver, weighing 135 ounces.
- 578 WIEH, L. Prague.—Set of chessmen wrought in fine silver.
- 579 BRZO, F. Prague.—Various articles of bronze: group of horsemen; two candelabra; cups; centre-pieces; drawing-room lamps, &c.
- 580 BÄGER, W. Vienna.—Two chandeliers of bronze, gilt, ornamented with porcelain.
- 581 HOLLENBRACH, D. Vienna, Mann.—Two gilt bronze candelabra.
- 582 ANKLE, F. Neuburkenthal, Bohemia, Mann.—A cut mirror, 88 inches high, 43 inches wide.
- 583 THE MIRROR MANUFACTORY, Viehofen, in Lower Austria, and St. Vinces, in Carinthia.—A blown mirror, 84 inches high, and 42 inches wide.
- 584 BOGVOY, Count, Schwarzhthal and Silberberg, Bohemia, Mann.—Flower vases and inkstands of red hyalite glass. Etrurian vases, pen-trays, and paper-weights of wavy hyalite glass. Vases, dinner service, jugs of ruby glass, flagons of chrome-green glass, bottles, coffee-cups, flower-glasses, goblets of white and enamelled porcelain glass.
- 585 CERNYAK, F. Prague, Mann.—Glass ware: Flower and chimney vases, fruit-dishes, bottles and flagons, sugar-basins, toilet-bottles.
- 586 GROHMANN, J. Krebitz, Bohemia, Mann.—Glass ware: Alabaster flower-vases, centre-piece, flagons with gold ornaments, candlesticks.
- 587 HARRACH, F. E. VOZ, Neuwelt, Bohemia, Mann.—Glass ware: Vases, jugs, flagons. Wine bottles, goblets, cups. Large candelabra, lustres.
- 588 HEDENRANTH, A. Munderdorf, Bohemia, Mann.—Various glass goblets.
- 589 HELMICH, F. A. Wolfersdorf, Bohemia, Mann.—Glass vessels: Flower and chimney vases; butter-dishes; candlesticks; flagons; decanters; sugar-basins, &c. Samples of glass beads, artificial precious stones and bugles.
- 590 HOPMAN, W. Prague, Mann. (Agents, J. & R. McCracken, 7 Old Jewry, London).—Glass ware: Two large alabaster vases, 7 feet high; other vases, flagons, &c.
- 591 JANKA BROTHERS, Blottendorf, Bohemia, Mann.—Glass ware: Flower vases, goblets, centre-pieces, flagons, decanters, &c.
- 592 KITTL's, ART. HUBER, Krebitz, Bohemia, Mann. (Agent, W. MIERSTEIN, 15 Watling St. London).—Different kinds of glass. Flower vases, with various ornaments.
- 593 KUCHYKA, F. Katharinenthal, Hungary, Mann. —Goblets, decanters, national cups, liqueur-glasses, &c.
- 594 LÖTZ, Widow, & GEMSTER, Defferink, Bohemia, Mann.—Centre-pieces, flower vases, flagons, cups; wine and liqueur decanters, &c.
- 595 MEYER'S NEPHEWS, Adolf and Leonorenhain, Bohemia, Mann.—Glass flower vases, of various kinds and sizes; centre-pieces, candelabra, sugar-basins, jewel-stands, milk-jugs, jugs, candlesticks, decanters, &c.
- 596 KOHN, F. P. Steinschönan, Bohemia, Mann.—Centre-piece, fruit-dishes, sugar-basins, dessert-plates, decanters, &c.
- 597 PELIKAN, I. Meisterdorf, Bohemia, Mann.—Glass goblets with cover.
- 598 VIVAT, B. Langerwald and Benedicthal, Styria, Mann.—Assortment of articles of crystal glass. Various coloured, cut, engraved, embossed, and gilt glasses.
- 599 ZAHN, J. sen. Steinschönan, Bohemia, Mann.—A centre-piece, glass goblets, flower-vases, flagons, &c.
- 600 BRAGLIA, P. (late LORENZO BRAGLIA), Venice.—Cast-glass stained window frames. Enamelled stones, artificial precious stones, mosaics of artificial Aventurine for table-tops, and also in separate pieces.
- 601 BLASCHKA & SOHN, Liebenau, Bohemia, Mann.—Paste, for artificial precious stones, beads, glass buttons, lustre pendants.
- 602 FRANK, J. Kamnitz, Bohemia, Mann.—Hair ornaments: Breast-pins, brooches, and miscellaneous articles of glass.

608 PASELT, A. Turnau, Bohemia, Mann.—Assortment of artificial stones of glass, cut.

609 PFRIFFER, A. F. Neudorf, near Marchenstern, Bohemia, Mann.—Paste for artificial precious stones, of different colours and designs.

610 PFRIFFER, J. & Co. Gablung, Bohemia, Mann. (Agent, O. FRAUENBERG, 80 Bishopsgate St. Within, London.)—Cut-glass buttons; glass breast-pins and brooches. Artificial stones. Beads, chandelier pendants, and fancy glass.

611 SANDER, P. Gablung, Bohemia, Mann.—Assortment of beads, glass buttons, and artificial stones. Rings and ear-rings, breast-pins, hair-pins, brooches, flags, &c.

612 SCHWEYER, A. Vienna, Mann.—Artificial human eyes of glass.

613 SPETZCHKA, V. Liebenau, Bohemia, Mann. (Agent, C. HOLLAND, 41 Finsbury Circus, London.)—Beads, pins and hair ornaments; bead necklaces, and other articles in glass and jewellery. Sample-book with drawings of chandelier drops, light rosettes, flags, &c.

614 MUEBACH, A. Vienna and Pesth, Mann.—Bricks, roofing-tiles, and draining-tiles of clay, from Ingersdorf, near Vienna, and Takos, near Pesth. Hollow bricks for building arches, made by machinery.

615 PARSCH, A. jun. Theresienstadt, Mann.—Various samples of clay tobacco-pipes.

616 BAHR & MAERSCHE, Aussig on the Elbe, Bohemia, Mann.—Syderolite ware: Flower-vases, baskets, figures, fruit-dishes, pier tables, candlesticks, jugs, centre-pieces, &c. of clay.

617 HUFFZKY, VINCKENZ (Widow), Hohenstein, near Tegitz, Bohemia, Mann.—Terralite ware: Flower-pots, centre-pieces, cups, milk-jugs, &c. of clay.

618 SCHILLER & GEBRUE, Bodenbach, near Tetschen on the Elbe, Bohemia, Mann.—Syderolite ware: Centre-pieces, flower-vases, hunting and wine jugs, inkstands, butter-dishes, tea and coffee pots, &c. of clay.

619 IMPERIAL PORCELAIN MANUFACTORY, Vienna.—Vases; dinner service; fruit, bread, and ice baskets, of porcelain. A table and various paintings.

620 BAGATTI, V. Milan.—Two encaustic paintings on porcelain.

621 FISCHER, C. Pirkenhammer, Bohemia, Mann.—Dinner, tea, and coffee services, vases, toilet service, inkstands, fruit-dishes, figures, &c. of porcelain.

622 FISCHER, M. Herend, Hungary, Mann.—Vases; dinner, tea, and coffee services; candlesticks, &c. of porcelain.

623 HAAS, A. Schlaggenwald, Bohemia, Mann.—Vases, tea and dinner services, fruit-baskets, &c. of porcelain.

624 HAIDINGER BROTHERS, Elbogen, Bohemia, Mann.—Dinner, coffee, and tea service, portable service, tea-caddy, bread-baskets, writing materials, milk-pots, &c. of porcelain. Chemical apparatus of porcelain.

625 HARDMUTH, L. & C. Budweis, Bohemia, Mann.—Dinner services; coffee and tea services of earthenware. Earthenware vessels, for chemical manufactories.

626 HUBNER, J. Gablung, Bohemia.—Porcelain pipe-bowls, painted. A painting: Varna, the Roman general, throwing himself upon his sword in the Teutonic forest.

627 KAIKOEZ & Co. Prague, Mann.—Vases, dinner, tea and coffee service, figures, busts, inkstands, &c. of porcelain.

628 VON MINITZKE, Count S. Frain, Moravia, Mann.—Vases, centre-pieces, coffee and tea pots, plates, chamber candlesticks, &c. of earthenware.

629 NOWOTNY, A. Alt-Rohlau, near Carlsbad, Bohemia, Mann.—Tea and coffee services of stoneware. Vases, flower-pots, dinner and coffee sets, and figures, of porcelain.

630 PORTTEDI, A. P. & Son, Unter Kodau, Bohemia, Mann.—Porcelain centre-piece and dinner service; tea and

coffee services, bread-baskets, dessert-plates, vases, and inkstands. Assortment of figures, &c.

631 QUAST, J. Prague.—Painted porcelain vase and plate. A painting, representing The Last Judgment.

632 ZASCHA, J. Vienna.—Painting on porcelain: Madonna, from Carlo Dolce.

633 RATKA, W. Prague, Bohemia, Mann.—Two sets of chemists' and druggists' shelves and drawers.

634 COLOMBO, G. Milan, Mann.—A round inlaid table.

635 GAßNER, F. Vienna, Mann.—Chest of ebony, with ornaments of stone mosaic. Work-box, with malachite and ivory ornaments.

636 KNILL, J. Vienna.—Billiard-table, with balls and cues.

637 LEISTLER, C. & Son, Vienna, Furniture and Inlaid Flooring Manufacturers.—Specimens of inlaid floors for various apartments, executed from drawings by Mr. Bernardo de Bernardis, the architect of the manufactory.

638 LECHEWA, F. Vienna, Mann.—Fauteuil of walnut. Oak balzac seat.

639 MENTASTI, B. Varese, Lombardy, Mann.—Oblong square table, with inlaid work representing Napoleon crossing Mount St. Gothard. A prie-Dieu, with inlaid work. Various specimens of cornices in marble.

640 MÖSCHINI, P. Cremona, Mann.—A writing-desk and table. A lady's toilet-table, covered with leather, and inlaid. A small cabinet table.

641 PALMUEBER, V. Vienna, Mann.—Work-table. A walnut basket, inlaid.

642 RIETSCH, F. G. Vienna, Inv.—Model of a ship-table.

643 ROZANI, P. Brescia, Mann.—A secretaire of American maple, with inlaid work. A small inlaid table.

644 STAUDINGER, A. Vienna, Mann.—Furniture: Buhl-table of rosewood, book-shelves, sofa, chairs, &c.

645 THONER, M. Vienna, Mann.—Furniture: Sofas, easy-chairs, arm-chairs. Stand of rosewood and walnut wood. A small round inlaid table of rosewood. Specimens of inlaid floorings.

646 KLANNER, F. Vienna, Mann.—Different kinds of fancy cabinet work: Tea-caddies, sugar-boxes, work-boxes, reading-desks, travelling looking-glasses, candle-screens.

647 BECKER & KRONICK, Vienna, Mann.—Screen of japanned wood. Fire-screen covered with papier-maché. Papier-maché tables and cups. Cups of japanned tin. Two vases.

648 HOPRICHTER, C. Reichenau, Bohemia, Mann.—Papier-maché tobacco-boxes; spice and sugar-boxes; sewing-cushions, &c.

649 BEHR, C. Prague, Bohemia, Pat. & Mann.—A column, a pedestal, and a box, as samples of artificial marble. Samples of gilt wood, which will bear washing.

650 APE, F. Vienna, Mann.—A flower-screen of bamboo and cane. A stand for a figure and flowers.

651 FRANZONY, A. St. Wolfgang, Ischl.—Flower-table.

652 MELZER, G. Krems on the Danube.—A wall-basket of various kinds of bark.

653 PAULLER, J. & Son, Vienna, Gilders.—Picture-frames; sconces; gilt-wood.

654 POIT, A. Vienna, Gilder.—Prie-Dieu altar in old gothic style.

655 SPOERLIN & ZIMMERMANN, Vienna, Mann.—Paper-hangings, ceilings, and borders. Illustrations of machinery and parts of machinery, for the use of schools. Paper-hangings, prints.

656 HALLERS, J. Widow and Son-in-law, Vienna, Mann.—Toys of paper, wood, metal, &c.

657 KLETAIBL, F. Vienna.—Toys of wood, metal, paper, &c. Musical boxes.

658 MÜLLER, C. A. Oberlentendorf, Bohemia, Mann.—Toys of paper, wood, metal, &c.

- 655 FURGER, J. B. Gröden, Tyrol.—Carvings in pine, lime, maple, &c. such as lay figures, from the smallest to the largest size. Figures and toys.
- 656 FALLER, FRIEDRICH, & Co. Vallonara, near Bassano.—Straw hats.
- 657 TANDLER, S. Zinnwald, Töplitz, Bohemia.—Specimens of straw plaiting and straw flowers.
- 658 KUMPT, I. Schluckau, Bohemia, Mann.—Wicker table mats (spadrilles), hats, &c.
- 659 WUNSCH, A. Altenrenberg, Bamberg, Bohemia, Mann.—Wicker table-mats (spadrilles). Chip caps, &c.
- 660 BIONDER, M. Baden, Vienna.—Scented eg. lot cherry-tubes for tobacco-pipes, sticks, &c.
- 661 LANG, F. Vienna.—Odoriferous cherry-tubes for tobacco-pipes, sticks, &c.
- 662 PARTSCH, A. Son, Theresienfeld, Mann.—Odoriferous cherry-sticks for tobacco-pipe tubes.
- 663 TRERNER, J. Baden, Vienna.—Agriot cherry-sticks. Odoriferous cherry-sticks for pipe-tubes, sticks, &c.
- 664 ALBA, S. Vienna.—Cigar mouth-pieces of wood, bone, meerschaum and amber. Meerschaum tobacco-pipe bowls. Tobacco-pipe tubes and mouth-pieces. Amber mouth-pieces.
- 665 ARNER, J. Vienna, Mann.—Mother-of-pearl buttons.
- 666 ASTRATH, C. Vienna.—Cigar-holders of meerschaum and amber.
- 667 BRISIDOLZ, P. Vienna.—Fancy turnery: sticks. Tobacco-pipes and cigar-holders of meerschaum, amber, mother-of-pearl and horn. Tobacco-pipe bowls of meerschaum.
- 668 DREHER, A. Vienna.—Ivory figures and chess-men. Tortoise-shell and horn snuff-boxes. Rosewood and horn ink-stands. Billiard balls. Set of salad-knives and forks of ivory, and similar turnery of mother-of-pearl, horn, ivory, tortoise-shell, and wood. A crucifix, and various figures.
- 669 ERSTALLER, G. Stadt Steyer, Mann.—Styrian tobacco-pipe bowls of wood.
- 670 FROG, G. Vienna.—Wood, amber, and meerschaum cigar-holders, and tobacco-pipe tubes. Assortment of meerschaum tobacco-pipe bowls. Chess-board of ivory with figures.
- 671 FRIEDRICH, J. Vienna.—Cigar mouth-pieces of meerschaum and amber, with letters, figures, &c.
- 672 GRUNHUT, A. Sen. Prague.—A meerschaum pipe; cigar mouth-piece; cigar-pipe.
- 673 GRUNHUT, —, jun. Prague.—A meerschaum tobacco-pipe. A cigar mouth-piece and a cigar-pipe.
- 674 GRUNHUT, W. Prague, Bohemia, Mann.—Meerschaum pipes and cigar mouth-pieces.
- 675 HARTMANN, L. Vienna.—Various kinds of walking-sticks, of wood, cane, &c. Stick-mountings. Tobacco-pipe tubes. Cigar-holders of wood, amber, meerschaum, and horn. Pipe mouth-pieces. Tobacco-pipe bowls of meerschaum, Turkish clay-pipes. Assortment of cut cameos. A tobacco-pipe of ivory. A cup of stag-horn. A large piece of amber.
- 676 INFANGER, M. Stadt Steyer, Mann.—Styrian hunting tobacco-pipes, bowls of wood.
- 677 KRAFL, J. Vienna.—Pocket ink-stands, of various kinds of wood. Pen-holders of bone and wood; and similar turnery.
- 678 LITSCHKE, C. Vienna.—Cigar-holders of meerschaum, amber, wood, horn, &c. Tobacco-pipe tubes and mouth-pieces.
- 679 FRANZ, L. Vienna.—Various kinds of walking-sticks, of wood and cane. Walking-stick pipes.
- 680 NAGL, L. Vienna.—Cigar-mouth pieces of meerschaum and amber. Tobacco-pipe tubes.
- 681 PFYFFER, L. Vienna.—Different kinds of walking-sticks, of bone, walnut, cane, &c.
- 682 PFYFFER, F. A. Vienna.—Cigar-holders of various kinds of wood, horn, bone, and cocco-nut.
- 683 SEEVERS, E. Vienna.—Meerschaum and amber cigar mouth-pieces.
- 684 SCHWAB, J. Vienna.—Medallions, pen-holders, needle-cases, thimbles, paper-knives, ink-stands, screens, watch-stands, and similar articles of mother-of-pearl.
- 685 TARTZ, A. Vienna.—An assortment of walking-sticks, of bardin, whalebone, cane, snake-wood, with carved and engraved handles of stag-horn, ivory, silver, &c.
- 686 WOLTECH, J. Vienna.—Pipe-tubes of wood, of various kinds.
- 687 ZETTLER, J. Vienna.—Tobacco-pipe and cigar holders. Bowls of meerschaum. Cigar mouth-pieces of amber, cocco-nut, &c.
- 688 PFYSCHACHER, A. Vienna, Pat. & Mann.—Elastic tobacco-pipe tubes of various kinds, made by machinery.
- 689 KROFTZGER, M. Siering, Stadt Steyer.—Rules, of various kinds.
- 690 BUCHBERGER, F. Stadt Steyer.—Rules, of various kinds.
- 691 TORER, J. Prague, Bohemia.—Rules, of various kinds.
- 692 TIFFE, A. Vienna.—Sticks for umbrellas and parasols, and mountings for the same.
- 693 ZANDRA, J. Vienna, Turner.—Sticks for umbrellas and parasols, and mountings for the same.
- 694 HERDT, J. B. Vienna, Mann.—Silk umbrellas and parasols.
- 695 RADENMACHER, C. Vienna, Mann.—Silk umbrellas.
- 696 RITTER, N. Vienna.—Hair-powder, chignon combs and brushes of horn, tortoise-shell, and ivory.
- 697 KRATZSCHMANN, M. Vienna, Pat. & Mann.—Agent, M. L. Kanič & Sons.—Horn buttons for coats, waistcoats, trousers, &c.
- 698 METZGER, W. Vienna, Mann.—Coat, waistcoat, and shirt buttons, of mother-of-pearl and hoof-horn, in various forms and colours.
- 699 BITTNER, F. Neudorf, Bohemia, Mann.—Planes for joiners. Rods of wood for making lucifer-matches.
- 700 BURGER, J. Vienna, Mann.—Artificial flowers of various kinds.
- 701 SCHLATER, H. Vienna, Modeller.—Various kinds of wax figures and artificial flowers.
- 702 SERRAPIO, PALATINI, & Co. Venice, Mann.—Twenty-five specimens of assorted masks.
- 703 GASSER, J. Vienna, Sculptor.—Venus bathing, in bronze. Four smaller figures, in bronze. Model of a fountain. Flower vase, cast in bronze and zinc.
- 704 KASHMANN, J. Vienna, Sculptor.—Three statues, of Carrara marble, representing: A Shepherd, a Flower-girl, and Hebe with the Eagle.
- 705 MAX, E. Prague, Sculptor.—A group, in white Carrara marble, representing: Hagar and Ishmael. A bas-relief in Carrara marble: an Amazon on horseback.
- 706 BENEDETTO, Milan, Prof. Sculptor.—A boy in a flower-basket.
- 707 COCCHI, L. Milan, Sculptor.—Statue in marble: The Virgin.
- 708 CROFF, G. Milan, Sculptor.—Statues in marble: Leda and the Swan. Danae awaiting the golden Shower. A group, representing Salmae and the son of Mercury.
- 709 EMANUELE, G. Milan, Sculptor.—Statue in marble: Maternal love.
- 710 FRACCAROLI, I. Milan, Sculptor.—Two statues in marble: The wounded Achilles, and David slinging the stone. A group in marble: Atala and Chccas.
- 711 GALLI, A. Milan, Sculptor.—Three statues in marble: Sosanna at the Bath; Jephtha's Daughter; and A Youth on the Sea-shore.
- 712 GANDOLFI, D. Milan, Sculptor.—Group of four figures, in marble, representing: The lashful Beggar. A statuette, in marble: Trust in God.

713 GOSKALIS, P. Milan, Sculptor.—Statue in marble: Iahmael, the son of Hagar.

714 MAGGI, P. Milan, Sculptor.—Group in marble: The first Steps.

715 MASSERDINI, G. Milan, Sculptor.—Statue in marble: Narcissus at the Fountain.

716 MARCHESI, L. Milan, Sculptor.—Statue in marble: Eurydice bitten in the foot by a Snake.

717 MICOZZI, I. Milan, Sculptor.—Group in marble: Diodorus and Icarus. A statue in marble: Candour.

718 MOTELLI, M. Milan, Sculptor.—Group in marble: Cupid's Vintage.

719 DAL NEGRO, P. Milan, Sculptor.—Statue in plaster: Innocence.

720 FERROTTI, G. Milan, Sculptor.—Group in marble: Mæcenas bound to the Horse. An Arabian Horse attacked by a Serpent, in CARTARA marble.

721 TUTTINATI, A. Milan, Sculptor.—Statue in marble: Prayer.

722 SANGIORGIO, A. Milan, Sculptor.—Statues in marble: 1 A soul ascending to Heaven. 2 Herma. 3 Head of the Redeemer. 4 An historic Poet.

723 SOMAZZI, F. Milan, Sculptor.—Group in marble representing Pan and Syrinx.

724 GOTTL, B. Carlsbad, Bohemia.—Two colossal vases of Carlsbad thermal tufa, executed by Knoll Brothers, of Carlsbad, each 2 ft. 9 in. high, and 1 ft. 7 in. diameter.

725 BERNONI, G. Milan, Sculptor.—A mantelpiece in marble with eight figures.

726 BOTTINELLI, G. Milan, Sculptor.—One marble mantelpiece and one of granite, richly ornamented. Model in plaster of a mantelpiece.

727 BOTTINELLI, L. Milan, Sculptor.—One mantelpiece of marble and one of granite, with sculptures.

728 MOTELLI, G. Milan, Sculptor.—A mantelpiece in marble in the Anacreontic style. A group in marble: Paolo and Francesca di Rimini. Group of Cupids.

729 SKEFFTERSZ, J. Pesth, Hungary.—A copper embossed tablet (in the possession of Henry Kirk, Esq. The artist, who is self-taught, was occupied on this work five years. Piece representing the Indian King Porus taken prisoner by Alexander the Great.

730 PETROWITS, D. Vienna, Inv. & Sculptor.—Fifty-three medallions cast in a metallic composition by a newly-discovered method.

731 CERRI, R. Milan, Sculptor.—Three portraits of S. Romagnoli, A. Rolli, and Bertini, chiselled in the style of Benvenuto Cellini.

732 FRAKKER, G. B. Milan, Engraver.—A plastic figure, with four medallions in wax and bronze.

733 ZAPPARELLI, G. Brescia, Engraver.—Various medals and dies. Embossed work, rings; sample-book.

734 BONINI, L. Milan, Painter.—A lay figure (artist's model).

735 DINKLER, C. Vienna, Engraver.—Various engraved specimens on wood and metal.

736 GUYLINO, C. Vienna, Painter on Glass.—A painting on glass representing a church. A winter landscape in Upper Austria. View of Johannisberg, on the Rhine. View of the town-gate of Kremnitz, in Hungary.

737 BERTINI, G. Milan.—Great painted window, representing: Dante and some of his Ideas.

738 MONTANARI, A. Milan, Decorator.—Decoration for a circular ceiling of a library.

739 VOGEL, C. F. Milan.—Photographs.

740 FUCHER, J. Veldes, Upper Carniola. Inven.—Photographs on glass, a new discovery.

741 BONGIOVANNI, B. Vienna, Sculptor.—Design for a candleabrum.

742 HAETMANN, L. Prague, Pat. Designer.—Various designs for prints.

743 HEERMANN, K. & Co. Botsen, the Tyrol.—Various samples of fancy silks.

744 POTTS, J. Vienna, Mann.—Grand pianoforte of rosewood with carved ornaments, seven octaves; Vienna mechanism.

745 SCOTTERT, E. Vienna, Mann.—Piccolo pianoforte of rosewood, with buhl-work and transposition mechanism, from designs of the architect Bernardo da Bernardis, in Vienna. The bronze ornaments by A. Hollenbach, Vienna.

BELGIUM.

1 GUILLAUME, J. A. Bovigny (Luxembourg).—Sample of bones.

2 OTE, J. Vielsalm (Luxembourg).—1, 2, 3 bones of different sizes.

3 LAMBERTY, C. Vielsalm.—Samples of bones.

4 OFFERBOLD, F. J. Vielsalm.—Samples of bones.

5 COLLETTE DOUCHE, F. J. Bertin (Luxembourg).—Slate pencil. Whet stones. Slates for roofs.

6 SOCIÉTÉ ANONYME DE HAUTE LOURNAUX DE POMMERVAUX, POMMERVAUX.—Cast-iron for moulding, Nos. 1, 2, 3, 4. Grey, mottled, and white cast-iron for refining.

7 SOCIÉTÉ DE LA NOUVELLE MONTAGNE, Verviers.—Oxide of zinc. Zinc tiles. Roofs covered with zinc tiles. Sheet zinc. Pigs of soft lead.

8 St. HUERT, E. DE, Bourguies.—A horizontal mill-stone. A perpendicular mill-stone. Fragments, samples of mill-stones.

9 MOAIMONT, J. B. Wierde (Namur).—Mill-stones.

10 FOLLON FUVIN, J. B. Namur.—A block of black marble from the quarries of Grand's Malades, near Namur.

11 ELVIN, F. Namur.—Safety lamps (Elvin system), large and small models. Trimmed glasses for lamps. Apparatus serving for lamps.

12 TOMBELLA, —, Bonnerille (Namur).—Samples of china clay.

13 PETIT, F. & Co. Anveles (Namur).—Various samples of coal.

14 GAIFFU, Baron E. de, Weallein (Namur).—Samples of china clay.

15 DE FERRARE, F. Wierde (Namur).—Plastic earth.

16 DESMARE DE BIEBRE, Viscount C. Golymino (Namur).—Golymino black polished marble plaster.

17 SOCIÉTÉ DE VERDEUR, Namur.—Samples of pyrites (bi-sulphuret of iron). Samples of galena. Samples of nicotinic lead.

18 FERRARD & MINNEVI, Couvin (Bouillon and Liège).—Specimens of iron and iron ore.

19 DETHEIX, A. Thu (Liège).—Specimens of marble. Specimen of zinc ore. Specimen of raw zinc produced by this ore.

20 BEER, F. L. Seraing (Liège).—Raw pig iron.

21 SOCIÉTÉ DE CORPRALE, Director M. E. BEICHER, Anhart (Liège).—Zinc ore. Blende and galena. Pig of lead. Laminated zinc. Zinc nails. Grey oxide of zinc.

22 COMPAGNIE DES MINES ET FOUDERIES DE BLYRENG, Montagne (Liège).—Samples of galena and blende. Pigs of lead.

23 DE HANFRET, Liège.—Iron ore.

24 MOELLER, B. L. Liège.—Two safety lamps for mines.

25 LAMBORTS BROTHERS, Stavelot.—Eighty samples of whet stones, of different sizes.

26 LA SOCIÉTÉ DES MINES ET FOUDERIES DE ZINC DE LA VILLE MONTAGUE, Liège.—Specimens of zinc and other ores, and metals, and chemicals.

27 SOCIÉTÉ DES HAUTES FOURNAUX, VAINES ET CHAR-

- BOYRAGES DE CHATELAIN, Chatelesseu (Hainault).—Five samples of coals.
- 33 COMPAGNIE DU CHARBONNAGE DE PONT DE LAUF. Pont de Loup (Hainault).—Specimens of bituminous coals.
- 34 COMPAGNIE DU CHARBONNAGE DE BOUKIEN, the firm L. J. MAULAN & Co. Chatelet.—Non-bituminous coals. Half set coals.
- 35 DELCOURT, A. Director de la Société Poisen, Montigny (Sur Shamla).—A sample of bituminous coal.
- 36 GURNEY, S. Gilly (Hainault).—Two samples of bituminous coal.
- 37 CHARBONNAGE D'ONGWIE COAL MINES (Director, — WAUTELET), Aiseau (Charleroi).—Samples of bright sparking coals.
- 38 DE BASSE, A. Mons.—Samples of copper ore, from the copper mine of Romery (Hainault).
- 39 SOCIÉTÉ DES CHARBONNAGES PIRE ET VIOLETTA, la Chartruze, near Liège.—Two samples of coals.
- 40 WOUVERMANS, —, jun. Molin Beck St. Team (Brussels).—Azur and mineral blues; varnish and polish.
- 41 VLOEBERGS, —, Brussels.—Haeco and dyes.
- 42 CAFFELLEMAN, J. B., DEBY, A. & Co. Brussels.—Chemical products, glass, bottles, &c.
- 43 SOCIÉTÉ DE FLOREFFE, Floresse (Namur).—Vessel containing anhydrous sulphate of soda, and other chemical preparations.
- 44 DERBAUDT, —, Courtrai.—Pure white lead; cakes of white lead.
- 45 SOCIÉTÉ DES CHARBONNAGES ET HAUTS FOURNEAUX D'ONGWIE, Ongrée (Liège).—Metallic colours for painting.
- 46 COLCETTS, VAN ROT, Antwerp.—Composition for preserving against damp. Sarangousty oil. Sheets of paper for the same object.
- 47 BRASSEIN, E. Ghent.—Two samples of white lead.
- 48 HERINCK, F. Uccle (Brabant).—Rye.
- 49 VANDEN PORRE, J. Uccle (Brabant).—Winter wheat.
- 50 VANDEN ELST, F. Uccle (Brabant).—Oats.
- 51 VERHEYDEN, E. Dilbeck (Brabant).—Brown winter wheat and rye.
- 52 LEDGAR, A. Nederovenhembeck (Brabant).—Winter wheat, barley, and rye.
- 53 D'HUANT DE VILLEMONT, Zintigery (Luxembourg).—Oats, horse beans, and buck wheat.
- 54 VAN OPIEEN, Uccle (Brabant).—Buck wheat and winter barley.
- 55 VAN PREMAES, —, Corbeck Look (Brabant).—White winter wheat.
- 56 D'HOLLANDES, —, Monjeke (West Flanders).—White and brown wheat; rye.
- 57 VANDEN ARKEL, —, Appels (West Flanders).—Hay.
- 58 PERDICUS, —, Herent (Brabant).—Brown winter wheat.
- 59 MINTEN, A. Louvain.—Brown winter wheat.
- 60 BARON MERTENS, Ostin (Namur).—Wheat, barley, oats, rye, and vetches.
- 61 COORMANS, M. Keyesloo (Brabant).—Brown winter wheat.
- 62 DE MULDER, —, Poesse (East Flanders).—Wheat.
- 63 DE MATHIEU, —, Messonny (Luxembourg).—Wheat, rye, and barley.
- 64 VIVENS, —, Henyffe (East Flanders).—Brown winter wheat.
- 65 HOLRELAAN, —, Uovereke (West Flanders).—Winter rye.
- 66 COLLE, —, Lootenhulle (West Flanders).—Wheat.
- 67 DE HEINHAYE, —, Aye (Luxembourg).—Spelt.
- 68 DEONTRE, L. Popernighe.—Hops and blue and white peas.
- 69 DE QUIDT, Madame, Popernighe.—Hops.
- 70 VAN MERRIN, Madame, Popernighe.—Hops.
- 71 DELBAERE, Madame, Popernighe.—White winter wheat.
- 72 FONTAINE, G. Brussels.—Solidified milk.
- 73 DOCQUIE, P. J. & J. PARYS, St. Josse-ter-Noode, near Brussels.—Potato flour bolted and unbolted, made from diseased potatoes. Animal black.
- 74 WAYEREAU, J. BROTHERS.—Dinant cake, called "Couque de Dinant."
- 75 BILLIARD, L. Menin (West Flanders).—Tobacco in leaf, called "Wervicq."
- 76 FLAIDEN, J. P. Menin (West Flanders).—Parcels of snuff; parcels of tobacco.
- 77 BROVELLO, J. B. & Co. Menin.—Samples of snuff, tobacco, and chewing tobacco.
- 78 BOCKEN, HULERT & Co. Liège.—Blue starch and white starch.
- 79 VAN BUNEN, Miss, Bruges.—Bolted and unbolted potato flour.
- 80 PEERS, Le Chevalier E. Ostcamp (West Flanders).—Several species of wheat; samples of rye, summer barley, and buck wheat.
- 81 BEHETT, —, Rumbekes (West Flanders).—Winter barley, rye, wheat, brown and white, oats, and buck wheat.
- 82 WILLEMS, —, Hasselt.—Samples of wheat grown in 1850, rye, spelt, barley, oats, and buck wheat.
- 83 BLYCKAERT, G. Tirlemont.—A sack of potato flour, farina.
- 84 VERSCHAEVE, L. Ypres.—Belgian tobacco, called "Wervicq."
- 85 LAHOURE, A. Wervicq (West Flanders).—Belgian tobacco, called "Wervicq."
- 86 CLAMS & CARON, Ghent.—Candied and other sugars.
- 87 VERCAUTEREN, J. L. Zele (East Flanders).—Two cakes of native linseed.
- 88 ROELS & Co. Lokerin.—Samples of peeled flax.
- 89 VANDERSTRACHT, F. Brussels.—Vegetable oil purified for lamps; linseed oil purified for painting.
- 90 CLAUDE, L. Brussels.—Vegetable oil purified for burning.
- 91 DE MERLAS, C. Forrest, near Neclis (Brussels).—Samples of raw and floss silk.
- 92 BISE, L. E. Andalecht, near Brussels.—Animal and vegetable oleine.
- 93 LECLERCQ, J. F. Longchamps (Namur).—Samples of flax steeped and refined.
- 94 JOBANT, A. Dinant.—Glue.
- 95 DEBRAERE, D. Ghelnsac (West Flanders).—Samples of peeled and green flax.
- 96 VERCRUTSE BROTHERS, Courtrai.—Oil cakes. Cakes of linseed.
- 97 DERRANT, DELA CROIX, Courtrai.—A bottle of cabbage oil. The same purified.
- 98 BIHET, H. Hong (Liège).—Five cakes of glue.
- 99 HANNOYTE DELLOTZ, H. G. Hong (Liège).—Samples of glue.
- 100 BORTIER, P. Adin Kerke (West Flanders).—Mineral manures.
- 101 LATIALETTE, DE MOOR, Bruges. Peeled flax, steeped green. English mark N.
- 102 STUBBE & BACKE, Bruges. Oak bark. Bark of young oak near Bruges.
- 103 DE BOZ, D. Antwerp. Flemish flax.
- 104 BRIERS, J. sen. Antwerp. Glue, made by steam.
- 105 REUBENS, P. T. Antwerp. Samples of copal varnish.
- 106 VAN DER SCHEINING BROTHERS, Antwerp. Samples of artificial wool.
- 107 VERHELSE, F. Kubergem (East Flanders). Raw hemp. Peeled hemp, grown in 1850.

103 VAN RIJCK, PIERRE JEAN, Moerbetre (East Flanders). Samples of raw hemp, grown in 1850.

104 DEMELOT & Co. Zele (East Flanders).—Samples of peeled flax. Samples of flax, dried with its seed, grown in 1850.

105 GILTOR, J. L. Appels (East Flanders).—Samples of raw hemp, grown in 1850.

106 VAN HOEZ, S. P. Hamme (East Flanders).—Six plats of peeled flax.

107 VAN BOGAERT, J. B. Gumberge (East Flanders).—Samples of peeled flax. Samples of hemp, grown in 1850.

108 VERSTRACHTEN, E. Ghent.—Vessels containing animal black.

109 LE CHEVALIER SOERRUS, E. Swynarde, near Ghent.—Five fleeces of raw wool. Twenty-eight skins of combed wool. Samples of wool, spun by hand.

110 SEGHERS, B. Ghent.—Natural animal black. Animal black, in reversed grains. Powdered natural bone black. Ivory and powdered peach black from colours.

111 DEPOTTER, A. Andernaud.—Skins of raw silk and cocoons.

112 DECORMICK, A. Ghent.—White and yellow silk cocooned. Raw silk reeled into skeins. Sample of parcel silk, corded by way of trial by the Société Honnête de Ghent. Samples of forest silk.

113 VERBULCK, P. F. Grunbergen (East Flanders).—Samples of dried and peeled flax, with its seed; grown in 1850.

114 VAN WIELL, J. B. Grunbergen (East Flanders).—Samples of flax steeped in stagnant waters, and of scutched flax; grown in 1850.

115 HANKE, B. Zeb (West Flanders).—Samples of flax steeped and dried, with its seed; grown in 1850.

116 DEMAU, T. Brussels.—A carriage, called cabphaeton.

117 MOUTHERY, A. Brussels.—Leather strap for steam-engines.

118 JONES BROTHERS, Brussels.—Four carriages—a calash, a phaeton patent cab, pony break, and buggy.

119 COCKERILL, J. Seraing (Liège).—Sample of foundry pig-iron. An expansive and condensing marine steam-engine of 140 horse-power. A locomotive engine. A high-pressure steam-engine of 16 horse power, with vertical cylinder. A high-pressure steam-engine of 3 horse-power, with tubular boiler. Model (scale 3 inches to the foot) of a machine for lowering and lifting miners without danger or fatigue.

120 SOCIÉTÉ ANONYME DES HAUTES FOURNEAUX (Mines at Charbonnager de Marcellene and Bouillet), Canillet (Hainaut).—A railway locomotive and tender on Stephenson's plan. A ventilator for airing mines, but qualified also for airing theatres, prisons, &c. A pair of rough locomotive cylinders. Three rails. A locomotive wheel-tire. Thirty-three bars of wrought-iron. A piece of sheet-iron. Iron railway sleepers. A round bar of iron for fluted cylinders. Samples of nails. Samples of coals.

121 VAN AKER, C. B. Antwerp.—A four-wheeled carriage.

122 VAN AKER, P. & SON, Antwerp.—A carriage, called "cabriolet chaise."

123 JOUNE, L. H. F. Holenbeck, St. Jean (Brussels).—A fire ladder. A circular loom, for knitting wool, worsted, thread, cotton, and silk. A force-pump.

124 VAN GOETHEN, V. Lemberog (Brabant).—Apparatus for purifying and whitening loaf sugar, worked by centrifugal force. A centrifugal force apparatus, for purifying raw and refined powdered sugar, patented.

125 HOUYER, A. Brussels.—Machine for peeling and polishing rice; patented. Model of a machine for grinding

pearled barley; patent. Model of an air-mill. Machine for peeling raw coffee. Steam chimney with interior tube. Flour, rice, Italian pasta, semolina ground and peeled, barley starch, sea-biscuits, &c.

126 VANDEVIN, F. Brussels.—New spinning machine.

127 KESZLA, H. Brussels.—Brick-making machine.

128 TROUPEL, J. H. & J. P. Verviers.—A shearing finishing-machine.

129 FÉTU, A. & DELINGE, J. Liège.—Cards for spinning wool.

130 HONTTHAVE, S. Roulers.—Metallic combs.

131 DEBAUNER, U. Antwerp.—Irrigating machine for corn and seeds: patented. Machine for corn grinding. Ventilating apparatus.

132 MEYERS, C. Ghent (Antwerp).—A parallel iron vice, for holding pieces of metal to be worked by the file, chisel, &c.

133 VAN MIERL, A. Antwerp.—Machine for making combs, &c.

134 SOCIÉTÉ DU PHOSPHORE, Ghent (East Flanders).—Spinning machine. Willow engine, invented by the Société du Phosphore.

135 JOUDEMAN, —, Alost.—New arrangement of spinning apparatus. Invented by the exhibitor.

136 ZARNAN & Co. St. Joseph-Noode (Brussels).—Model of paving stones, made use of in New Orleans. Stones with channels for pavements and house entries. Parisian paving stones.

137 VAN ECKENEN, N. G. Molenbeck St. Jean (Brussels).—Model of an iron bridge, 40 feet long and 3½ wide. Models of iron tubes, for bridges and tunnels.

138 SIVEX, J. Ghent.—Ceiling laths. Oak cut into veneers.

139 JANSSEN, A. Brussels.—Guns, rifles, and pistols. A target.

140 HEURARD, M. Namur.—A percussion rifle.

141 REYNIN BROTHERS, Liège.—Fowling pieces, pistols, &c.

142 ROYAL CANNON FOUNDRY (Director, Mr. C. Frédéric, Colonel of Artillery), Liège.—A cannon of cast-iron prepared with coke and wood. Light Netherland-fashioned piece, Short Belgian model piece. Battery piece, rough. Country, or light howitzer, Belgian model, wood, cast-iron wood. Mortar, cast-iron, Belgian model. Bomba. An eccentric howitzer, Prussian model. Shot.

143 ANCIEN & Co. Liège.—Guns, muskets, pistols, rifles, and other weapons.

144 THOUET, J. Liège.—Gun, ornamented with gilt silver. A pair of Scotch pistols, incrustated.

145 LEPAGE, —, Liège.—Complete collection of fire arms: Double-barrelled guns, rifles, holster pistols, duelling pistols, pocket pistols.

146 FLOMDEUR, N. Liège.—Guns and pistols. Guard for a gun.

147 MALHERRE, L. Liège.—Double-barrelled and other guns. Rifles, pistols, &c.

148 LEDENT, M. Liège.—A lock for all sorts of guns, patented in Belgium.

149 DOUTRESE, F. J. Liège.—A "needle" gun.

150 BERNIMSER, N. & BROTHERS, Liège.—Double-barrelled guns and pistols.

151 LARDERON, N. C. Liège.—Rifle with accessories, Swiss style; double barrelled, with accessories, made, except the barrel and locks, by Mr. C. Lenders.

152 FRINLET, M. Liège.—A double-barrelled gun, with stock carved style Louis XI.

153 DEHOUSSE, L. Liège.—Guns and pistols.

154 FALISE & TAPMANN, Liège.—Arms and percussion-caps. Fire-arms. Rifles, guns, and pistols.

156 GROTAERS, Captain J. B. Antwerp.—Instrument

- for measuring inaccessible distances. Invented by the exhibitor.
- 157 **NEYT, A.** Ghent.—Drawing showing the plan of an artillery battery for firing, at pleasure, either directly or obliquely, applicable to frigates and coast batteries.
- 158 **MONTIGNY & FURNOZ,** Brussels.—Three infantry guns (Montigny system).
- 159 **DUROUX, —,** Neufchâteau (Hainault).—A plough, patented.
- 160 **DREVE, J. B.** St. Leger (Luxembourg).—Ploughs, with patent moulds.
- 161 **LE DOITZ, H.** Henge.—Gardening instruments.
- 162 **VERBERT, E.** Nevelles.—Plough, called "tourne-orielle."
- 163 **CLAES, P.** Lembeq (Brabant).—A Scotch seed-bag. A cast-iron roller, for rolling arable lands.
- 164 **SCHLEWITZER, M.** Brussels.—A mill for agricultural seeds on a movable waggon. Invented by the exhibitor.
- 165 **ROMEDERME, A.** Esapent (Namur).—An improved plough, and movable harrow.
- 166 **DOCHENS, J. J.** Aache-en-Prefail (Namur).—Churns. Buckets.
- 167 **TRAIN, B.** Huy (Liège).—Winnowing-machine for corn.
- 168 **VAN MAELE, —,** Thielt (West Flanders).—Double ploughs, patented.
- 169 **ONEURS, J. M.** Marleime.—Double and single ploughs.
- 170 **BUCKMANS, J.** Bleisvelt.—A Flemish plough.
- 171 **D'OMALINS, G.** Anthesis (Liège).—A Belgian and other ploughs, and agricultural implements.
- 172 **VALEKINS, B.** Author, Brussels.—A treatise on the manufacture of iron.
- 173 **VAN SCHEUDEL, P.** Brussels.—A model of descriptive geometry.
- 174 **BERKEN, F. & Co.** Brussels.—Cabinet pianos of six and a half octaves.
- 175 **MAHILLON, C.** Brussels.—Counterbass, violoncello, bugles, bass ophicleide, trombone, horn, trumpets, bugle-horn, clarionets.
- 176 **SASTZESSKI, F.** Brussels.—Six and three quarters and seven octave-upright pianos.
- 177 **DARCHE, C. F.** Brussels.—Violins; violoncellos.
- 178 **COLOVEL DEMANET, Izelles** (Brabant).—Machine for converting rectilinear into curvilinear motion.
- 179 **VERRAZVELT, D'OUTRELEPONT, F.** Brussels.—Patent harmonium for churches, and for drawing-rooms. Piano-harmonium.
- 180 **STERNBERG, L.** Brussels.—Cabinet piano.
- 181 **VOGELZANGS, F. J.** Brussels. Grand and upright pianos. Patented.
- 182 **GERARD, A. J.** Liège.—Pair of compasses. Twelve small alarm bells. Pen and inkstand. Plan of an instrument for measuring distances.
- 183 **DEHRENAULT, J. B.** Fontaine L'Évêque.—Level for levelling roads, &c. Compasses. Anemometer.
- 184 **LATTINE, A.** Saignies.—Spectacle and other glasses.
- 185 **LAMBERT, G.** Mons.—Model of a ladder for mines, Patented. Compasses, patented.
- 186 **AERTS, F. G.** Antwerp.—Patent piano, rosewood.
- 187 **CHAMPAIGE, —,** Donstiennes, Hainault.—Mechanical hand and arm, invented and made by the exhibitor.
- 188 **DEFFAUX, —,** Brussels.—Three pianos.
- 189 **DE BASH, C.** Ghent.—Calicoes: unbleached and bleached.
- 190 **CANTIN, N.** Reutraix (West Flanders).—Checks and strips; cotton checks; Romal and Madras handkerchiefs.
- 191 **DE BEBAULT, DR. CAEMOZ, A.** Fermonde.—Cotton blankets.
- 192 **DE CUYPER, J. F.** St. Nicholas.—Common cotton checks, tickings, plaids, and woollen shawls.
- 193 **TANNEERS, D.** St. Nicholas.—Worked cross barred flannels; fancy flannels; woollen stuffs called gala plaids.
- 194 **SIMOISSE, J.** Verviers.—Seven pieces of smooth cloth. One piece of black satin-de-laine. Two pieces of light black cloth.
- 195 **BOLLEY DE LOU, Verviers.**—Several pieces of smooth cloth, casimere, tweed, satin Berry.
- 196 **DUBON, G. & C.** Verviers.—Winter and summer stuffs for trowsers and paletots.
- 197 **SORTAINE, F.**—Satin-de-laine; double warped cloth; light cloth; coloured cloths.
- 198 **LEONARD, D.** Verviers.—Four pieces of cloth.
- 199 **PIREUME & DUESSEAO, Verviers.**—Satin-de-laine and beaver cloth.
- 200 **PONOR, T.** Francmont.—Satin-de-laine and zephyr cloth.
- 201 **OLIVIER & Co.** Verviers.—Silk cloth for livery; double-warped black cloth; blue and bronze cloth.
- 202 **SNOECK, C. J.** Herve (Liège).—Pieces of zephyr and smooth cloth, woollen Cashmere, and satin-de-laine.
- 203 **DE HESSELLE, A. J.** Themiester, near Verviers.—Pieces of flannel and domet.
- 204 **XHOFFRAY, C. & Co.** Dolham Limbourg (Liège).—Worsted yarn.
- 205 **VAN DER STRAETEN, A. & C.** Liège.—Pieces of woollen stuffs, called "Black Cashmere," "Satin-de-laine," and "Satin-de-laine Marengo."
- 206 **D'HOUT, J.** Roulers.—Various pieces of satin.
- 207 **MELDEPENNINGEN, G.** Antwerp.—Silk of various descriptions.
- 208 **DOBRELAERE, H.** Ghent.—Six pieces of unbleached linen.
- 209 **AMEYE BERTY, E.** Ghent.—Flax sail-cloths; tow linen; flax linen for sheets; ordinary and common linen. Linen for bleaching fine.
- 210 **PYN & VAN FELT, Tamise.**—Samples of hemp thread, and hemp specially made use of for shoemakers' thread.
- 211 **WILFORD, W.** Tamise.—Sail-cloths.
- 212 **COOREMAN, A. J.** Rebecq (Nogron).—Samples of flax thread, made use of for the groundwork of Brussels lace. Samples of thread for lace.
- 213 **VERCRUYTSE, F.** Deerbyck, near Courtrai.—Raw, retted and heckled flax and linen.
- 214 **VERRIEST, P.** Courtrai.—Pieces of mattress covers.
- 215 **VAN ACKERE, J. C.** Wevelghem (West Flanders).—Linen and handkerchiefs. Retted flax. A bundle of staked, steeped, and unbleached staked flax; a bundle of unbleached flax with seed.
- 216 **BENTHELOT & DOCTE,** Courtrai.—Flax thread made by hand, called "fil de mulquinerie."
- 217 **DUJARDIN, C.** Courtrai.—Unbleached and bleached damask napkins. A napkin with the portrait of H. M. the King of the Belgians.
- 218 **DEBRERAUDERS, P. F.** Courtrai.—Flax thread of various kinds.
- 219 **VAN OOST, P.** Hooghlede.—A piece of linen.
- 220 **THILBAU-ACCOS, —,** Iseghem (West Flanders).—A piece of white linen spun and woven by hand, having 7,000 threads in the warp.
- 221 **DECOCH, W.** Roulers.—Bleached and unbleached linen, Orleans, alpaca, and paramatas.
- 222 **PARENTIER, P.** Iseghem (West Flanders).—Pieces of unbleached flax linen manufacture. White cambric handkerchiefs.
- 223 **DEMACLAENAZE, E.** Moorlede (West Flanders).—Skins of flax thread spun by hand of and above No. 500.
- 224 **HARTOG BROTHERS,** Mechelar.—Pieces of Russian linen.

- 225 VAN NUFFEL & COVELIERE, Antwerp.—Canvas for painting. Oil-cloth carpet.
- 226 BOARD OF DIRECTION OF THE HOUSE OF CONVENTION AT ST. BERNARD, Antwerp.—Pieces of white Russian and cream-coloured and other linen.
- 227 MARYHEU VUER, Turnhout (Antwerp).—Tiekings.
- 228 HAEGHEM, C. Zele (East Flanders).—Sail-cloths made of hemp, thread, and waste hemp.
- 229 BONGAERT, F. A. Antwerp.—Linen bags without seams; shooting pouch without seams.
- 230 THE GHEENT HEMPEER COMPANY, Ghent.—Flax, tow, and thread.
- 231 MOEUNAN, V. L. Ghent.—Unbleached flax linen.
- 232 DIMMERT, B. Alost.—Unbleached linens.
- 233 DIMMER, T. Alost.—Cambric handkerchiefs, napkins, table-cloths, unbleached and bleached linen, blinds, and carpet.
- 234 ELIARET, C. Alost.—Bundles of Lisle thread for sewing (divers colours), and a collection of knitting thread.
- 235 COMONT, D. Alost.—A collection of sewing threads, white and coloured.
- 236 VAN OVERLOOP, J. C. Zele (East Flanders).—Sail-cloths for ships, made of hemp thread, spun by hand.
- 237 GOENS, L. Termonde.—Flat hemp cable; flat wire cable.
- 238 BOSTEELS GREENWICH, J. Zele (East Flanders).—Pieces of sail-cloth made of waste hemp, woven by hand.
- 239 DEMOUCRAIX, H. Courtrai.—Pieces of worked ticking and unbleached linen.
- 240 LEMAIRE, DECAMPS, & PLEMBART, Tournay.—Stuffs for trousers.
- 241 GILSON & BOSSERT, Tournay.—Various pieces of cotton and flax thread stuffs (plain and fancy) for trousers. Woolen thread and cotton for trousers and paletots.
- 242 LEMBERT CHAFFAUX, Madame, Tournay.—Stuffs for trousers, &c.
- 243 VERHAULST, DE ROUGE, & Co. Brussels.—Pieces of common cotton checks and jaconet.
- 244 CATTEAUX BROTHERS, Brussels.—Stuffs for trousers; cotton flax thread; cotton and flax thread, and cotton and wool.
- 245 CATTEAUX, G. Courtrai.—Stuffs for trousers, fine and mixed cotton. Two pieces of swan-skin, wool and cotton. Cotton checks and stripes. Cambric handkerchiefs. White linens.
- 246—250 PETIT NOEL, LERONGE, DEMYTHENAEER, L. DUARNEY, J. B. TERRIN, & Co. Monscron.—Various stuffs for trousers: wool and cotton; cotton; and flax thread and cotton.
- 251 SCHELSTRACZE, L. Courtrai.—Fine cotton stuffs, and cotton and flax thread for trousers.
- 252 VANDENBERGHE, J. Courtrai.—Cotton stuffs; wool and cotton stuffs; cotton and flax thread stuffs.
- 253 HOUDIN & LAMBERT, Brussels.—Varnished calves' leather for boots and shoes.
- 254 TAILLET, V. Brussels.—Boot and shoe leather.
- 255 VAN MOLLE, E. Asche.—A plough horse-collar.
- 256 LADOWREK, L. Brussels.—Harness, saddles, &c.
- 257 HANSENS HAP, B. Vilvorde, near Brussels.—Horse-hair and aloë-fibre stuffing for furniture. Aloë-fibre stuffs, both sides alike. Table-cloths and napkins, &c. Samples of pigs' bristles prepared and bleached for painting brushes.
- 258 WEBER, G. Brussels.—Leather purses and cigar-cases.
- 259 WEMKNECHT, T. Brussels.—Drawing-room fur carpets. Furred cloaks. Foxes stuffed so as to serve for stools.
- 260 FARRENDU, H. J. Brussels.—Patent varnished hides. Half black and yellow skins for harness and bridles.
- 261 LONBAU, J. B. Jette St. Pierre (Brabant).—Varnished calf skins for boots and shoes; skins of different colours for boots and shoes.
- 262 BAUCHAN DE BARRÉ, A. Namur.—Tanned skins for soles, and pump buckets.
- 263 CABU-FEVRIER, F. Namur.—Boots, buskins, shoes, &c.
- 264 VAN TROOSTENBERGHE, Bruges.—A pair of shoes without seams.
- 265 SOMME MAHY, H. Liège.—Brushes for waxing and washing floors; sweeping brushes and horse brushes. Patented. Samples of pigs' bristles; horsehair, tails, and manes.
- 266 BOMY, A. Liège.—Grey and polished calf skins.
- 267 MASSON, C. Huy (Liège).—Sole leather.
- 268 SOMME, J. Liège.—Brush for cannons. Brushes of several sorts.
- 269 VANSTRAELEN, J. Hasselt (Limbourg).—Gentleman's and lady's saddle. Cab harness.
- 270 KISTEMACKERS, H. Antwerp.—Horsehair stuffs for sieves, and dyed horse hair.
- 271 VAN ALLEYNNE, S. L. Ypres.—Leathers tanned and curried. Berks, for the manufacture of leathers.
- 272 DUSANCHAIT, E. Ghent.—Natural and dyed skins. Drawing of a machine for preparing leather.
- 273 HESNAULT & BROTHER, Ghent.—Dyed and tanned rabbit and goats' skins; dyed and prepared dog's skin.
- 274 VANDEN BOS POELMAN, Ghent.—A pair of varnished calf leather top and other boots.
- 275 CASTERMANS, J. & SOX, Tournay.—A collection of typographical works.
- 276 HAYEZ, M. Brussels.—Typographical works.
- 277 BRIARD, J. H. Izelles.—Divers editions of the Bible and New Testament.
- 278 PARENT, T. J. F. Brussels.—Album of fruits.
- 279 LESIGUE, T. Brussels.—Typographical works: General statistics of the population of Belgium. Agricultural statistics of Belgium.
- 280 ZEGELLAAR, E. Brussels.—Sealing-wax.
- 281 TARDIF, E. Brussels.—Envelopes for letters.
- 282 WESMAEL LEGROS, A. Namur.—Roman missals. Roman breviary, 2 vols. 4to. printed in black and red.
- 283 HENRY, P. Dinant.—Printing paste-boards.
- 284 GODIN, F. L. & SOX, Huy (Liège).—Collection of paper for drawing, registers, writing, letter-paper, &c.
- 285 HANTICQ, P. J. Mecheln.—Books of Roman Liturgy, printed in red and black.
- 286 GLENISSON & VANGENECHTEN, Turnhout.—Marbled, plain, and coloured paper. Prints. Cards.
- 287 IDIERS, N. J. Brussels.—Dyed cotton threads, pink and lilac. Paliacos of different shades, Andrinople red, madder red, and bright red. Six pieces of calico dyed in Andrinople red.
- 288 DIETUS, J. B. Brussels.—Printed shawls.
- 289 VERHULST, C. & Co. Brussels.—Pieces of printed calico.
- 290 VERKOTT, J. Brussels.—Pieces of silk handkerchiefs (called corahs). Pieces of printed handkerchiefs. Printed silk satin gown.
- 291 SERVAIS, J. B. Louvain.—Blue dyed cotton and linen.
- 292 THILAU, S. Tzeghem (West Flanders).—Coloured linen, for smock frocks and gowns.
- 293 DEWEWEVINE, J. J. Ghent.—Pieces of stuffs for handkerchiefs. Pieces of dyed and printed calico. Skins dyed and printed.
- 294 VOORTMAN, A. Ghent.—Pieces of printed calico for shawls. Pieces of calico for handkerchiefs. Pieces of printed calico of different sorts.
- 295 SERVAIS, M. T. Alost.—Printed cotton stuffs for handkerchiefs, cravats, gowns, &c.

- 293 VERDURE, B. C. Tournay.—Wilton carpet, representing the ancient coat of arms of the Netherlands and divers allegories.
- 297 ROYAL CARPET MANUFACTORY. Resident Directors Messrs. Overman & Delevigne, Tournai Savonnerie.—Carpet worked by hand. Imitation of a "Smyrna" carpet, worked by hand. Wilton carpets. Velvet carpets.
- 298 POLAK, F. Brussels.—Drawings for Brussels lace scarfs. Designs for black lace flounces.
- 299 VAN HAELEN, Madame, Brussels.—Imitations of Brussels lace: Scarfs, veils, mantle shawl, collars, &c.
- 300 LEMAIEUR, C. DELGHE, & Co. Brussels.—Laces for furniture and dresses, tassels and curtain bands, and ornaments for window curtains, &c.
- 301 RAY, C. F. Brussels.—Worked by needle: pocket-handkerchiefs, gothic flounce, part of a flounce, flowers, collar, and scarf.
- 302 MELOTTE, E. Brussels.—Embroidered flag.
- 303 VAN HALLE, J. Brussels. Church ornaments and Brussels lace.
- 304 ATELIER DE NOTRE DAME, Brussels.—Imitation of Brussels lace, gruze ground: Berthe, handkerchief, &c.
- 305 DE LAHAYE, A. (successor to A. Ducpetans & Son), Brussels.—Brussels lace applied on real ground lace, comprising scarfs, veil, &c.
- 306 JOREY, L. & SON, Brussels.—Oil-cloth and other fabrics. Tanned and curried hides. Varnished paper for packing.
- 307 STOCQUART BROTHERS, Grammont.—Shawls, half-shawls, and scarfs, of black silk lace. Mantilla. Veils. Berthe. Parasols. Head dresses, &c.
- 308 NAEUJER, —, Brussels.—Three veils from Florence, one Casavaka, and a half-shawl Brussels lace, application and needle point.
- 309 REALLIN, Miss, Brussels.—Brussels point lace handkerchief, flax thread, ground worked by needle.
- 310 HENSCHER, VAN ECKENBOUT, & Co. Brussels.—Point-lace dress, worked by needle. Pillow lace dress, &c.
- 311 ROBIT, L. Brussels.—Real Brussels lace dress and imitation lace.
- 312 VANDERHAEGHEN VAN OVERLOOP, Brussels.—Two Brussels lace pocket-handkerchiefs and one head-dress.
- 313 VANDER KILOM, B. Brussels.—Picture in embroidery. Pocket-handkerchiefs representing the arms of England. Flounces and berthes, &c.
- 314 DURALON, B. Brussels and Ypres.—Valenciennes and Brussels lace.
- 315 VANDERHOFSTERS, P. Brussels.—Imitation scarf, flounces, handkerchiefs, caps, head-dresses, specimens of lace, and berthes.
- 316 DEFREUXE, SOPHIE, Brussels.—Brussels lace handkerchief. Berthe and head-dresses and lace collars.
- 317 DEJARDIN, S. Brussels.—Tapestry cushions. Embroidered caps. Slippers, suspenders, caps, &c.
- 318 WASSER, F. *sen.* Brussels.—Pieces of table ground work, for Brussels lace, of English thread.
- 319 BELLONDUCQ, L. Brussels.—Specimens of lace and embroidery. Basket of worsted flowers, worked by needle.
- 320 VIOLEARD, G. Brussels.—New designs for lace.
- 321 EVERAERT, Mimes, Brussels.—A square black lace shawl. Two flounces for a gown. A veil. A paletot, &c.
- 322 ESTABLISHMENT OF ST. JOSEPH, Verviers.—Collar and ruffe made of Flanders guipure. This lace is the reproduction of the old English guipure.
- 323 EMBROIDERY WORK-SHOP OF SWEVEGHEM, Director, Mr. DEMEYER, Sweveghem, West Flanders.—Embroidered cambric handkerchiefs. Bands, &c.
- 324 BECK & SON, Courtrai.—A collection of Valenciennes laces.
- 325 DEBLAEND-PREEL, JEAN, Courtrai.—Three small pieces of Valenciennes lace.
- 326 BERNAERT & DE CUTPES, H. Courtrai.—Seven pieces of Valenciennes lace.
- 327 VAN STRALEY, Director of the Poor School, Bruges.—Valenciennes lace. Two lace collars.
- 328 BOUSSON DE VLEGGHEER, Mrs. Bruges.—Two flounces for gowns made of lace.
- 329 DANTEVELLE, & MONOURY, Brussels.—Embroidered tulle collars, head dresses, veils, handkerchiefs, &c.
- 330 TOLLENAES, THERESEA, Miss, Bruges.—Seven pieces of lace.
- 331 PATERNOSTER, J. Louvain.—Religious subjects embroidered in silk and gold. Picture (embroidery).
- 332 NOEL, F. Louvain.—Epanleta, cords, and tassels, sword-tassels, galloons, &c. A silk watch-cord without either knot or seam: patented. Gold vases with fruits, &c.
- 333 VAN RIEL, Miss, Antwerp.—A Mechlin lace head-dress, collar, and veil.
- 334 BERNAERT, A. & Co. Antwerp.—Flounce embroidered on fine ground. Scarf, berthe, head-dress, &c.
- 335 PAQUET, M. Antwerp.—Shawl on a foundation of lace tulle. Handkerchief and flounces on tulle.
- 336 WELLE, MEYER, & Co. Antwerp.—White cotton tulle dress, berthe, and scarf, with embroidered flounce.
- 337 HAMMEBRATH, P. H. Ypres.—Assortment of Valenciennes lace.
- 338 FLORINOND, S. Ypres.—Assortment of Ypres lace, called "Valenciennes."
- 339 VAN LOO, E. J. & F. Ghent.—A black lace shawl, needlwork.
- 340 PLETTINCK, Madame MABILDE, Ghent.—Flounces, of Brussels application.
- 341 HAUK, J. T. Destelberghe, near Ghent.—Brussels application veil on real lace.
- 342 FREIGNY, L. Wetteren, East Flanders.—Carpets, oriental style. Table-cover. Worsted rug, &c.
- 343 VAN NIEUWERBONG BROTHERS, Lokeren.—Silk and beaver hats, ordinary, military, for priests, &c.
- 344 ANCHIAU, T. Lieruken.—Beaver hats.
- 345 VAN BESSEDE, B. Brussels.—Stays without seams.
- 346 VAN BESSEDE, Brussels.—Stays.
- 347 JACQUOT, F. Brussels.—Beaver hats. Brass moulds.
- 348 HINGLE, C. Brussels.—Leather gloves.
- 349 BERGER, Madame, Brussels.—Stays.
- 350 DE KEZELAERE, —, Bruges.—Collection of wooden shoes of all sorts, elegant, for domestic use, &c.
- 351 LUYAUX, L. Mechelin.—Ecclesiastical, military, and ordinary beaver hats. Silk hats.
- 352 MOUNOYER, P. J. Namur.—Table and dessert knives, and carving knife and fork, with silver ornaments.
- 353 DRIEX, E. Goseliers.—Samples of nails made by hand.
- 354 LEFEBVRE, V. & Co. Chercq-lez-Tournai.—Small wire nails, called "pin-nails." Nails for shoes, called "becquets." Iron pegs. Iron nails for glaziers. Rivets: iron and brass.
- 355 VAN DER CANEEL, J. A. Brussels.—Zinc vessels.
- 356 PUISBAERT, F. Cour St. Etienne (Brabant).—A wrought-iron crucible, made use of in mints.
- 357 GOR, J. Brussels.—A strong box.
- 358 SREKON, L. Brussels.—Samples of nails, called "clous de Paris."
- 359 MATHYS, J. Brussels.—Strong box, cabinet shape. A double-cased iron scutoiro. Polished steel open fireplace, style Louis XV., and stove.
- 360 ACH DU BOIS, & Co. Brussels.—A mantelpiece, groups for clocks, paper press, candlesticks, cigar-stand, &c.
- 361 DE BAVAT, P. Brussels.—Samples of nails, called "pointes de Paris," made of fine brass and copper wires.
- 362 MARCHAL, D. Brussels.—A laminated iron sleeper,

with cast-iron chair, for railways; new model of chair. Patented.

363 DE LATOUR, A. Director of the firm of Van der Branden & Co. Brussels.—Cast-iron bust of the King of the Belgians. Cast-iron bust of the late Queen of the Belgians. Letter-boxes adopted by the Belgian Government.

364 DELAROCHE, F. T. Brussels.—Strong box. Chimney-pieces. Stove.

365 DE ROZE, Baron A. Moulin, Namur.—Brass candlrons, deep wide pans, "neprovlacs," and saucspans.

366 MONCHEUR, F. A. Andennes (Namur).—Six ingots of cast iron for gun-barrels.

367 SEVERIN, E. Rochefort.—Nails for floors, slates, &c. and for the heels and soles of shoes. Espalier and other hooks.

368 AMAND, J. Emeton sur Biert (Namur).—Bars of iron for gun-barrels, war-arms, broches, &c.; and cast iron.

369 BESNOT, P. Director of his Most Serene Highness the Duke of Arenberg's Establishment, Marche les Dames (Namur).—Samples of iron ore and cast-iron. Pieces of castings from A to AA.

370 THE PRINCE OF CHIMAY, Chimay.—Bars of wrought iron refined by charcoal, specially made use of for fire-arms and weapons.

371 REMACLE, J. & PERARD & SON, Liège.—Several sheets of polished sheet-iron, prepared with wood.

372 ORBAN, J. M. & SON, Liège.—Sheet-iron, wheel tires and laminated bars of iron prepared with wood.

373 LANBERT, T. Herstal.—Collection of bits for saddle and carriage-horses.

374 ST. LEONARD COMPANY, Director, Mr. Regnier Poncelet, Liège.—Specimens of cast-steel. Bars of wrought iron. Various blades.

375 PEREE, J. F. Liège.—Brass cock, with curved mouth-piece; the same, straight, with hidden spring.

376 DELLOYE, M. C. Huy (Liège).—Sheet-iron and sheet-steel for locks and hardware.

377 CHAUDRON, C. H. Liège.—Brass tubes, made without solder, for boilers of steam-vessels, &c.

378 MACQUINAY BROTHERS, & NERREW, Liège.—Samples of Belgian iron nails made by hand.

379 GILTAT, J. J. Liège.—Spurs, nose-bands, bits, and stirrups.

380 DELVIE Mad. F. Chatelet (Hainault).—Various sorts of nails wrought by hand.

381 LUXLETTE, F. Gosseliers (Hainault).—Samples of wrought iron nails.

382 FROM, L. & J. B. Brussels.—Collection of brooches, set in pearls, precious stones, &c. Bracelets. Chatelaines, &c. Model of a bench, with tools for cutting and polishing diamonds.

383 JULIN, N. Liège.—Cameos.

384 FALLOISE, J. Liège.—Steel shield, iron and silver-gilt drinking-cups, steel bracelet, iron vase, steel pins, &c.

385 MICHELLI, J. Anvers.—A plaster statue, coated by electrotype process, representing H.R.H. the Princess Charlotte of Belgium.

386 BRODIER, C. Brussels.—Cut glass pyramids for lamps.

387 CAPELLEMAN, J. B. Brussels.—Dinner-service, composed of vases, an ice-bowl, and fruit-dish, cut in large flat ribs, and other services.

388 ZONDE & CO. Namur.—Specimens of cut glass, consisting of vases for pine-apples, drinking-cups, fruit-dishes, tumblers, &c.

389 JOUET, D.—Stained window-glass; imitations of old window-glass.

390 BENNART & BIVOIT, Jumet (Hainault).—Window-glass.

391 DIENCHA, F. Antwerp.—Dinner-service, consisting

of cut glass vase, fruit-baskets, fruit-dishes, sugar-bowls, wine-glasses, vases, decanters, plates, &c.

392 FRISON, J. Dampremy.—Various specimens of glass and window-glass.

393 CAFFELEMAN, J. B. & DAVOUST, Brussels.—Bust, and other specimens of biscuit porcelain. Dinner service made of embossed lace porcelain, and other services.

394 THIBONNET, G. & DARTET, Nameche and Samsou (Namur).—Fire-clay for manufactures, glass-works, &c.

395 PASTOR, BERTRAND, & Co. Audennes (Namur).—Gas retort fire-clay for high furnaces, and fire-bricks for lining the inside of high furnaces.

396 COMMUNAL COMMISSION OF MARCHIN, Marchin (Liège).—Plum-pudding stones for crucibles, high furnaces, &c. High furnace crucibles made of these stones.

397 COSTE, F. Tillelot (Liège).—Plumbago crucibles.

398 SMAL WERFIN, A. Huy (Liège).—Fire bricks of reduced dimensions.

399 BOUCHER, T. Bandour.—Fire-clay retort for gas. Sagger for baking porcelain. Patented.

400 DE FURSKAU, N. Baudour.—Dessert service, porcelain, blue ground. Baskets, bowls, plates, &c.

401 DEVIS, E. Brussels.—Paper-hangings.

402 DEMANET, C. Saint Tosseten-Nooda, Brussels.—An inlaid rosewood table. An inlaid rosewood shelved cabinet.

403 LEFFVRE, A. Molenbeck, St. Jean (Brabant).—Collection of paper-hangings.

404 COURET & LUCAS, Brussels.—Mosaic floors. Table with mosaic shelf and carved foot.

405 PICARD MARY, K. Brussels.—Paper-hangings, glazed, velveted, gilt, &c.

406 DE KETN BROTHERS, St. Tosseten-Nooda (Brussels).—A mosaic floor, made of natural wood of divers colours.

407 DUBANT, J. Brussels.—Holy-water vessel. Frame made of stone pasteboard.

408 GIBON, Madame, Brussels.—Furniture made of lacquer. A screen, three tables, the shelf of a table, and two chairs.

409 MEYER, A. G. Brussels.—Model of a fountain. Articles in carved oak. Tables and shelves of oak.

410 TESTIN, H. J. Spa.—Spa wood table, tea chests, boxes, desk, &c.

411 BRUNO, H. Spa.—Spa wood table, work-box, tea-chest, &c.

412 MISSON, EMILE & LOUIS, Spa.—Spa wood table, work-boxes, writing-cases, cigar and needle-cases, and various other articles.

413 MISSON, A. Spa.—Spa wood writing-cases, work-box and other boxes; basket; music desk; book-case, &c.

414 MARIN, J. E. Spa.—Spa wood tables; fire-fans; jewel-box; albums, &c.

415 MASSARDO, Madame J. Spa.—Spa wood work and jewel-boxes; writing-cases; table; screens, and baskets

416 DU TOUOHK, A. Bruges, West Flanders.—Samples of ornaments on wood for furniture, pillars, &c.

417 COLRS, J. T. Antwerp.—Drawing-room chair and arm-chair; tête-à-tête.

418 DE RAEDT, J. G. Antwerp.—A wardrobe made of rosewood and deal.

419 ROULE, A. F. Antwerp.—Furniture of dark wood. Gothic rosewood book-case, bedstead, and étagère. Oak and rosewood tables and chairs.

420 TUDO, T. B. Berchem, Antwerp.—Chest of drawers of carved oak; carved mahogany and walnut chair; other mahogany chairs.

421 DELEVOTE, F. D. Ghent.—Library desk of carved wood.

422 HOOGHSTROEL, Ghent.—Antique wardrobe.

- 433 GUILAID, C. Hastière, Lavaux, Namur.—Four marble slabs for tables.
- 434 SORTZU, C. St. Gilles, near Brussels.—Pillar, flags for pavements, and medallion portrait made of artificial stone, a fusible lava.
- 435 LECLEERC, A. Brussels.—White and black marble chimney pieces. Basin. Marble toilet. Mosaic square, composed of Belgian marble.
- 436 FOLLET, NANCISEN, Verviers.—Stucco or plaster of Paris column.
- 437 VANDEROAST, M. Brussels.—Boots and shoes, boot-trees, and lasts.
- 438 STADIER S. Brussels.—Boot-trees; lasts, and shoes made on them.
- 439 BARTHOLEMI, J. Hermalle Sous Argenteau, Liège.—Platted willow table and arm chairs.
- 440 LOUCKE-HAEKEL, C. L. Roulers.—Brushes for clothes, hair, hat, sweeping, and other purposes.
- 441 QUAMOUKE, C. & J. Cureghem, near Brussels.—88 parcels of stearic wax candles; lump of stearine.
- 442 ROBERT P. J. jun. Brussels.—36 silk and lace parcels.
- 443 DELSTADICHE, R. & L. Molenbeck St. Jean, near Brussels.—Stearine and tallow candles.
- 444 GILLIENS, E. R. St. Laurent, near Antwerp.—Soaps made of olive oil. Tallow, soap, hog's-lard, cocoa butter, &c.
- 445 BREYTA, D. Antwerp.—Belgian and foreign stuffed birds.
- 446 VANCAMPENHOUT, C. & Co., Hensden, near Ghent.—Wax candles. Oleic acid.
- 447 VANDERMAELER, P. Molenbeck, St. Jean, near Brussels.—An atlas containing eight lithographs of the new map of Belgium.
- 448 CAPRONNIER, J. B. Brussels.—Church window. Stained glass, antique style.
- 449 BEERMAERT, A. Brussels.—A pile of five stones of Gobertrange. Carved oak press for arms.
- 440 MAGNEZ, F. Brussels.—Etchings.
- 441 HART, L. J. Brussels.—Collection of 39 medals.
- 442 WIENER, J. Brussels.—A collection of medales, representing the principal monuments in Belgium.
- 443 DUCHATEL, Comte, Grembergen (Brabant).—Models of xylopytography.
- 444 JAMAR, A. Brussels.—Wood engravings. Illustrated books.
- 445 DEVILLE THIEY, H. Liège.—Specimens of engraving on glass by a new process.
- 446 AVANZO, D. Liège.—Two lithographs, representing the Palace of Liège.
- 447 JEBOTTE, C. Liège.—Bronze medals.
- 448 DAVELUY, D. Bruges.—Lithography, in pencil drawing, etching, painting, and chromolithographic impressions. Patent playing cards.
- 449 EGIDE, R. Louvain.—Plan of a garden after the English style.
- 450 GEERTS, C. Louvain.—Groups, in oak. Model of a pulpit.
- 451 GEERTS, J. Antwerp.—Plaster statue: the Faithful Messenger.
- 452 VALERIUS JOUAS, C. Antwerp.—Plan of the town of Antwerp.
- 453 VASHULLE, G. J. Rymsdam (Antwerp).—Plan for the management of a kitchen garden.
- 454 VANHOOL, J. F. Antwerp.—A carving in palm-tree wood. Fragments of festoons and flowers, carved.
- 455 DE LAYFER, Antwerp.—Two marble statues: Canadian Woman and Moses.
- 456 TURELUNKY, J. Mechlin.—Marble statue: the Young Shepherd, Giotto.
- 457 JOOSTENS, G. J. Rsten, near Dixmude (West Flanders).—An "Ordein stone" pinnacle, intended to be placed in the church of St. Nicolas at Dixmude.
- 458 VANDER MEERSCH, C. Atout.—A carving commemorating the Exhibition of 1851.
- 459 JACQUAIX, G. Ghent.—Initial letters, with edge and flowered borders.
- 460 MARCHAND, E. Schaerbéck (Brabant).—Madonna (marble bust).
- 461 JACQUET, Schaerbéck, near Brussels.—Three bronze groups: The Flood, the Murder of the Innocents, and the Death of Abel. Cupid disarmed (plaster).
- 462 JACQUET, jun. Schaerbéck, near Brussels.—A plaster statue, the Top-player.
- 463 JEDOTTE, L. St. Jothaten-Noode, near Brussels.—Statues: Madonna (marble); Cain (plaster); group (bronze); bas-relief (marble).
- 464 ECKENS, S. Brussels.—Equestrian statue of Godfrey of Bouillon (plaster). Truth (plaster). Two small statues, the Happy Child and the Unhappy Child.
- 465 FRANKI, C. A. Schaerbéck, near Brussels.—Statue (plaster): Psyche, Cupid, &c. A small plaster statue.
- 466 GIKES, G. Schaerbéck, near Brussels.—A plaster group, the Lion in love; and a small marble statue, Cupid.
- 467 MALLETT, E. C. Charleroy.—Nails, called "Pointes de Paris."
- 468 KUMS, E. Antwerp.—Imitation pieces of various kinds of carvay, and strong sackings.
- 469 DUBOIS, G. Rieche.—Two straps of cow's leather.
- 470 VERBERCKT, —, Antwerp.—A Gothic vase, style of Louis XIV.; basket, style of Louis XV. (all silver).
- 471 MACKINTOSH, T. Brussels.—Compositor's page-marker.
- 472 WYNANTS, C. Schaerbéck (Brussels).—Machine for carving wood, marble, stone, &c.
- 473 MUQUARDT, C. Brussels and Ghent.—A volume, containing specimens of divers illustrated publications.
- 474 POINT & SOX, Monseron.—Cast-iron kitchen stoves.
- 475 VAUDER, H. Brussels.—Parachute for mines.
- 476 LUND, —, Brussels.—Valved funnel-pipe.
- 477 BERTAIN, A. Brussels.—A mosaic straw table.
- 478 BEMAUD, R. Courtrai.—Coloured parchment for binding. White parchment for writing and drawing. Yellow parchment for black lace. Green parchment for white lace.
- 479 LECHERY, —, Brussels.—Bronze statue, Rubens: after Geef.
- 480 VAN HECKE, Dr. A. T. Brussels.—A ventilating apparatus. Ventilator for railway carriages. New system of counter-marking. New sounding-line. Alarm-bell.
- 481 FLOOCT-COUCKE, Madame, Courtrai.—Seven pieces of mattress covers, made of tow thread, flax thread, and cotton.
- 482 HUBERT, —, Brussels.—Gold watch-chains.
- 483 SAFFRE, Madame, Mouscron.—Cotton stuffs, wool and cotton, and flax thread, for trousers.
- 484 PASTYNS, P. Louvain.—Scarf of Mechlin lace. Pieces of lace.
- 485 DE PAUV, —, Ghent.—Model of a new movable bridge. Combination of fixed and turning bridges.
- 486 LAUTHERY, F. & Co. Ghent.—Samples of flax-cards on combs.
- 487 ROYNS, P. Louvain.—Brassica-arventis oil, purified, first quality, for carcel-lamps. Purified hemp-oil.
- 488 BOOWT, A. J. Alost.—Leather for soles, and straps. Black leather for harness. Leather for uppers. Leather for carriages. Calf-skins. Boot-legs.
- 489 VANGETERAYEN, C. Stamme (East Flanders).—Indian-wheat starch.
- 490 BROWN, H. Schaerbéck, near Brussels.—A globe.
- 491 PLOVE, J. F. Mechlin.—Historical church-windows, Coloured coats of arms. Coloured medals of the 17th century. Drawing, from Rubens.

492 WOOD, W. Antwerp.—French merinos of divers tints. Linsen.

493 TRENGHEER, L. J. Binche (Hainault).—Calfskins. Boot-legs. Boot uppers.

494 DUTIKERY, —, jun. Vielsalen (Luxembourg).—Wheat-stones.

495 POORELL, E. Tournay.—Wooden shoes, of walnut-tree.

496 MERCKE, M. Rosseloo (Brabant).—Winter barley and rye.

BRAZIL.

ADAMSON, O. G.—A bouquet of flowers of Brazil, made of the birds' feathers of that country, with the exception of a few made of beetles' wings. Constructed expressly for the Exhibition.

COX, —.—Model of a native raft.

MORRAY, E. DE. Agent, Mr. Peat, Saddler, 14 Old Bond St. London.—Set of bridle reins. From the province of Rio Grande da Sul, Brazil. Made of raw bullock's hide, and linked with silver. Cap; the cap is made in the Sertão (the interior) of the province of Pernambuco. The leather is made from the hide of the red deer of that country. Intended as specimens of the industry of the less civilized of the inhabitants of the Brazil.

MAJOR, C. T. Esq. 21 Billiter St. London.—Leaves and butterfly made of beetle's wings, by Henrique José da Silva, Rio de Janeiro.

CHILL.

Messrs. SCHNEIDT & Co. Broad St. Mews.—A lump of gold ore, weighing 3 cwt.

CHINA.

H. M. CONSUL SHANGHAI, Contributed through the BOARD OF TRADE.

No. 28, Red copper from Japan; No. 20, Vegetable wax; No. 22, Specimens of varnish; and No. 14, A product styled coarse silk in the list furnished, but supposed to be the fibre of a species of cactus.

1 Gallinal, a Chinese root (*Leanghang*). 2 A red colour. 3 Saffron (*Hungshoa*). 4 Camphor (*Changnaoa*). 5 Rhubarb (*Tshuang*). 6 Hemp (*Yama*). 7 Uncleaned cotton (*Mamho*). 8 Cleared cotton (*Hsao*). 9 Hemp seed. 10 Tobacco. 11 Coarse hemp (separate package in matting). 12 Hemp twine. 13 A Chinese medicine root. 14 Coarsest raw silk, supposed to be the fibres of the cactus. 15 Turmeric. 16 White arsenic, from Hankow. 17 Arsenic, from Hankow. 18 Yellow arsenic. 19 Bees-wax, white and yellow. 20 Vegetable wax. 21 Sulphate of iron (green vitriol). 22 Three bottles of varnish. 23—27 Fused metal. 28 Japanese copper.

A complete collection of the various materials employed at the GREAT PORCELAIN WORKS OF KIAING TSIH' CHIN, in the vicinity of the Poyang-lake, in the manufacture of porcelain.

1 Wankuh (literally skeleton of the cup). 2 Teahs. Porcelain may be formed by a mixture of the above. 3 Material ready mixed. This made with water into clay will form porcelain. 4 Bedaubing powder, ready mixed. 5 Soap stone, very hard. Found in the districts of Luh sin and Kweihe, in Keangse province. 6 Bedaubing material. 7 White lead and other materials.

Various packages containing the colours.

Twenty-three packets, containing prepared colours of various kinds.

Forty-seven packets, containing colours for painting the best porcelain after baking.

Miscellaneous articles:—

1 A large cameo basso-relievo on yellow ground.

2, 3 Two large basso-relievos on blue ground.

4—7 Four basso-relievos on blue ground, representing flowers, shrubs, &c.

8 A lacquer table, with incrustations of mother-o'-pearl.

9 A similar table.

10—13 Four lacquered chairs, inlaid with mother-o'-pearl.

14—17 Four lacquered chairs, inlaid with mother-o'-pearl.

18 A square brasero and pedestal, for heating a room by charcoal ashes.

19 A censer, or perfume urn.

18, 19a Pedestals in sculptured wood.

20, 21 Two candelabras in bronze, enamelled in mosaic pattern.

22 A bronze vase, mosaic enamelled, with cover and pedestal in carved wood.

23—27 Ornaments of a Chinese table.

28 A Chinese sceptre, inlaid silver and gold, carved.

29, 30 Two boxes of carved red lacquer-ware, from Sutchuan.

40 A table in carved wood.

41 Antique vase of enamelled and mosaic bronze, with pedestal of carved wood.

42, 43 Two cases of bronze inlaid with silver.

44 An armoire in carved wood, edged with ebony, and incrustated with ivory.

Contents of Box addressed to the Secretary of the HORTICULTURAL SOCIETY, London.

1 Specimen of indigo, the produce of plants in the north.

2 Specimens of the raw produce of the silk-worm, from Loatang in Manchouria.

3 Specimen of the fabric, manufactured in the same province for home consumption.

4 Another specimen of the same fabric.

Exhibited by the HON. EAST INDIA COMPANY.

Hemp-palm; its fibre, and the ropes prepared from it. Arrow-root. Tung-oil and seeds in spirits. The whi-mel of the Chinese, a green dye. Gardenia radicans (fruit), a yellow dye. Fortunæa Chinensis (fruit and flower). The ko-pal of the Chinese. Shang-hae indigo. Pith of the plant from which rice paper is cut. Wax tapers used at Peking. Brick tea (two samples). Green-tea dyes; articles used in the district of Hungchow to dye green tea for exportation; one bottle.

Articles exhibited by CAPTAIN SHERA, 31 Connaught-square, Hyde Park.

1 A snuff-box; specimen of Chinese carving on English canal coal, the only specimen known.

2 A Chinese carved mother-of-pearl shell.

3 A saucer; Chinese specimen of enamel on copper.

4 A small saucer; specimen of Japanese lacquered ware.

5 A cup and saucer, specimen of Japanese lacquered ware.

6 A Chinese specimen of cloth made of paper.

7 A Burmese bamboo vase, elaborately carved.

8 Two japanned chairs of Chinese upholstery and lacquered ware.

- 9 A bamboo chair.
10 A Chinese lantern.
11 A specimen of green and another of crimson Chinese damask.

Articles Exhibited by J. REEVE, Esq.

A tea-chest containing 8 silken cassetiers of fancy tea; specimens in glass case.

Sixteen cases of China ink, exhibiting thirty-two views. Ten cups of white porcelain. Twelve upright china cups. Two metal tea-pots lined with earthenware and sundry-shaped china ornaments. Eight tin cups lined with porcelain. Two bamboo carvings of birds. Case containing a boat carved in bamboo. Two bamboo-carved penholders. Case with ten boxes of Fychoh ware. Case with two boxes of the same. Chinese hooks. Four various-shaped tea-pots, metal lined with earthenware. Two carved steatite ornaments. Two carved cups. Three incense-burners in stone. Various Chinese tea-pots and tea-kettles in earthenware. Tea-kettle and fire-pan. Oven heated by the flame of a lamp passing into the centre. Oven to keep tea warm, being immersed in a vessel of hot water.

HEWITT & Co., 18 Fleetstreet, London, Importers.

China ware: Jars from 10 inches to 4 feet high. Sugar jars and covers. Sets of jars and beakers, five in a set. Plates, various designs. Curious jars, 24 inches high. Toilet set. Punch bowl. Flower pots and stands. Garden seats, tiles, and fountain. Figures for burning pastilles. Eggshell cups, covers and saucers; tea-pots; flower-boat.

Carved ivory ware: Work-box, a fine specimen of carving. Sets of chessmen or balls. Very large ball, carved, containing twenty smaller balls. Vases. Card-baskets, case, and racks. Cigar-box. Fan. Paper-knife. Work-basket, with handle. Model of a junk.

Lacquered ware, &c.: Pole-fire screens. Nest of four tables. Work table, with carved ivory fittings. Cabinet. Tea caddy. Cabinet, red lacquered, from Loo Chow. Reclining chair made of bamboo. Seats, marble tops, and wood frames. Panels for cabinets, wood, inlaid with wood. Tray for burning joss stick.

Japanese ware: Writing-desk. Box. Work-table and box. Cabinet. All inlaid with mother-of-pearl.

Miscellaneous articles: Skin rug. Model of Chinese summer-house. Swan pan, or calculator. Cane blinds. Umbrella. Lady's shoes. Curious bamboo jacket. Embroidered satin apron. Embroidered satin counterpane. Printed glass lanterns, carved ebony frames. Paintings on glass. Oil paintings. Gongas. Box of toys. Paper and feather fans. Hand-screens, various, including painted feathers. Specimens of bronzes. Floor matting. Paperhangings. Specimens of soap stone. Screen, curious carved slate, in wood frame. Another, painted porcelain, in wood frame. Another, composition of rice, also in wood frame. Musical instrument. Mirror, in carved ebony stand. Beautifully-carved mother-of-pearl shells. Balloon and revolving lanterns. Carved tortoiseshell combs. Silver filagree card-case and needle-case. Carved wood summer-house. Chinese fruit, called *le ché*, from the province of Fokien.

Enamelled copper: Jar, 3 feet high. Censer, cups, covers, and saucers. Toilet set, complete.

Painted glass screen.

Embroidered Mandarin's dress, &c. Mother-of-pearl temple. Large screens. Marble top table. Two Japanese screens. Large Mandarin chair. Lacquered cabinet. Porcelain bath.

Produce of China: Manufacture of cotton. Samples of mankoons, yellow and white. Manufactures of grass or linen. Manufactures of silk. Pongee silk handkerchiefs, plain and figured. Pongee silk, plain white. Syechuen pongee, in various colours. Black silk handkerchief. Black silks and satins. Crape shawls, handkerchiefs, and scarfs, plain,

damasked, and embroidered. Various silks, gauze, and embroidery.

COPKLAND, CHARLES, South Villa, Kensington Oval—Proprietor.

Chinese writing desk. Rice paper. Drawings, in five books in silk binding. Drawings on rice paper.

Chinese paintings in two silk frames. Chinese screen, japanned, black, and gold. Chinese screen, of rosewood and painted marble panels. Japanese writing desk.

LINDSAY, H. HAMILTON, Berkeley Square—Importer.

Silk; damask; satin; and specimens of embroidery and embroidered chair-seats.

Flax:—seed, fibre, and yarn. Grass cloth, of various qualities. Cotton:—nankeen, cotton cloth.

Gant Po. Gold and silver shoe. Specimens of sycee silver. Gold filagree. Silver filagree, ten specimens. Porcelain:—jars, punch-bowls, breakfast set, &c.

Bronze heong loo. Two carved rhinoceros' horns. Edible birds' nest. Beche de mer. Sui-hing Chinese wine. Two jugs for holding the same. Six silver cups. Two models of small feet of Chinese women. Three mariner's compasses. Model of a pump. Two pumps.

PARKER, The Rev. Dr.

Box containing various seeds. Another containing various woods.

AREY, —Vigo Street, Piccadilly.

A Chinese printing press.

PALMER, MACLEOD, & Co., 1 King's Arms Yard, City.

Some specimens of silks, made up especially from China for the Exhibition.

DENT, L.

A curious and elaborately finished Chinese bedstead, inlaid with ivory and mother-of-pearl.

Samples of silk.

P. P. THOMAS, Printer, Warwick Square.

The original address, with the signatures of 776 merchants and tradesmen, presented to his Excellency Hwang, on his being appointed the deputy governor of the province of Canton, during the reign of the Emperor Keen-lung, about the year 1720.

The address measures in length seven feet nine inches, and in width six feet. It contains 2,328 Chinese characters, beautifully worked in gold, on silk, and is lined with Chinese embossed velvet, surrounded with a gold border. Accompanied with a translation of the address, by Mr. P. P. THOMAS.

Dated during the reign of Keen-lang, whose reign closed about A.D. 1722.

2 Fifty Chinese engravings on wood.

3 A Chinese sceptre.

4 The Pa-sen, or eight immortals, who confer benefits on mankind, carved on stone.

5 The goddess Kwan-yin, in stone, on a carved stand.

6 The god of wealth, and the god of longevity, carved in wood.

7 Chinese shells and insects.

RIPLEY, P. W., Canton.

A collection of the various teas exported from Canton, in chests, cases, and boxes.

REEVES, J. R.

Bronze vases, &c., inlaid, three large and five small. Ink; one large box. Sale ornaments; case of three. Waistband buckle. Filagree silver necklace. Boiled paintings.

ВАНДИНО БОУТНИКА, Bishopsgate Street.

1 Carved ivory tree, with ball containing 24 others, all from one piece. 2 Two embroidered chair covers. 3 Card case, in ivory. 4 Another in sandalwood. 5 Four pieces rich satin, different colours. 6 Four paintings. 7 Four painted lanterns. 8 130 specimens of China ware. 9 Model of a cargo boat. 10 Model of a mandarin boat

(revenue). 11 Curiously-carved stove and frame. 12 Carved wood chairs. 13 Six bronze and three carved wood figures. 14 Pair jars and stands, and pair wooden stools. 15 Case of small lacquered-ware articles. The above are all productions of Chinese, Nos. 5 and 10 being sent out by Houqua. 16 Twelve handkerchiefs, embroidered on pina (cloth made from fibres of the leaf of the pine).

BRADING, C. T., *Way House, near Tamson.*

A feather painted and embroidered fan. Wooden furniture—Table, 3 ft. 3 in. square, 2 ft. 9 in. in height. Bookcase, 6 ft. high, 3 ft. 9 in. in breadth, 2 ft. 3 in. in depth. Hat-stand, 7 ft. high. Set of miniature furniture. Four earthenware flower-pots. All of Chinese manufacture.

BOWRING, EDGAR A., Acting Secretary to the Commission, Board of Trade.

Bas-relief specimen of Chinese costume, "a lady of rank reclining on a sofa." The whole formed of silk.

BOULEAU, Lieut.-Col. A. H. E., Bengal Engineers, *Gerston Terrace, Poynton, near Tamson.*

An illuminated missal.

DANIEL, J., 11 *Cumberland Place.*

Two embroidered Shang Hae dresses.

MOWKIRO, L. A., 13 *Claremont Terrace, Pentonville.*

Five cups and five saucers of Chinese or Oriental enameled jewelled porcelain, with European landscape in the bottom.

BOWMAN, WM., 9 *Bread Street, London.*

A table made in the North of China,

RAWSON, CHRISTOPHER.

A Japan cabinet. (26) Japan ware. (22)

RAWSON, T. S., Esq.

1 A Japanese inlaid mother-of-pearl cabinet.

RAWSON, C., Esq.

2 A Japanese red lacquered ware sweetmeat box, on wheels. 3, 4 Two Japanese red lacquered ware ornaments. 5 A Chinese ivory ball, containing 15 separate balls. 6 A specimen of bamboo carving, 7 A Chinese medicine cup. 8 A specimen of Chinese carving, representing the finger citron. 9 A Chinese figure with head and feet of cast-iron, and the mantle of the old cracked China ware.

RAWSON, Mrs.

10 A specimen of Chinese needlework, embroidery in silk.

Specimens of grass cloth, or China linen, shipped by Messrs. WM. PUSTAN & Co., at Canton, to Messrs. JAMES BARBER & Co., Southampton, and Messrs. G. H. and J. F. Wulff, London.

Grass cloth. Bundles of flax yarn. Bundle of flax. Half-catty of flax seed.

TWINING, 13 *Bedford Place, Russell Square.*

Large copper tripod, with stand, and a marble stool for same.

Marble screen, large, and a smaller one.

1 Copper vessel, with wooden top and stand.

2 "Buffalo with Man." Stands for each.

Marble top and stand for the small articles.

CARPENTER, F. S., *Queen's Road, St. John's Wood,* Proprietor.

A carved bamboo walking-stick, from the north of China.

STANDISH & NOBLE, Importers.

Cypressus funebria, or weeping cypress, a new hairy tree, imported from the north of China.

DENMARK.

Agent in London, REGNAR WESTENHOLTZ, Mark Lane.

1 PUGGAARD H. & Co. Copenhagen, Prod.—Samples of barley, grown in the island of Mued, in 1850. Samples of wheat.

2 KOLBJØRNSEN, K. Reikavik, Prop.—Sample of Loeland wool.

3 TOFF, A. L. Copenhagen, Manu.—Specimens of white lamb-skins for gloves, prepared with alum; exhibited for quality and dye. Goat-skins and white sheep-skins similarly prepared.

4 DREWSEN & SØRN, Silkeborg, Jutland, Manu.—Specimens of paper, glazed by a machine constructed by the exhibitors.

5 WULFF, JENS, & SØRN, Brede, Schleswig, Manu.—Specimens of thread lace and cotton stuff.

6 MEYER, J. E. Copenhagen, Manu.—Specimens of japanned tea-trays, small trays, bread baskets. Oil-cloth mats for dishes, tureens, lamps, &c.; and floor-cloth.

7 WARMING, E. Copenhagen, Manu.—A carpet and foot-stool.

8 FJELKLEAD, Jutland, Prop.—Knitted worsted goods, viz., jackets, petticoats, stockings, &c., exhibited for firmness, cheapness, and warmth.

9 THOMSEN, —, Randers, Manu.—Randers' gloves.

10 MATTAT & SØRN, Randers, Manu.—Gloves for gentlemen and ladies, exhibited for odour and softness. Specimens of Randers' skins.

11 PETERSEN, P. L. Copenhagen, Manu.—Patent go-loches, invented by the exhibitor. Gentlemen's dress and ordinary boots. A calfskin, prepared by the exhibitor. Ladies' black satin and primella boots, with enamelled leather, and satin shoes.

12 LUNDE, P. F. Copenhagen, Manu.—Pump, which can be used as a fire-engine. Stove, for heating small or large rooms. A steam-gauge whistle, constructed in the workshop of the exhibitor, by Jacob Jacobsen.

13 SØRENSEN, C. Copenhagen, Inv. and Manu.—A machine for composing, and re-sorting the types after printing.

14 JESSEN, N. S. Naval Arsenal, Copenhagen, Inv. and Manu.—A rifle, with an oval barrel, to discharge a conical ball. Specimen of cartridge.

15 ANDERSEN, P. Copenhagen, Manu.—A chaff-cutting machine, of simple construction.

16 FUNCK, A. Copenhagen, Inv. and Manu.—An astronomical clock, with an escapement which gives an impulse every ten seconds. The clock goes a month.

17 JURGENSENS, SØRN, Copenhagen, Inv. and Manu.—Two box chronometers, with free escapement, &c. Gold watch adapted for observations. Metallic thermometers. A model of the detached escapement, usually employed in the chronometers of the exhibitors.

18 LANGGAARD, J. P. Copenhagen, Inv.—Model of patent surgical apparatus, for spinal curvature.

19 NIELSEN, C. Copenhagen, Manu.—Various artificial legs. Spinal apparatus. Osteotome, &c.

20 NISSEN, J. Copenhagen, Manu.—Double-acting air-pump with single cylinder. Scales for chemical analysis; for precious metals; and for affinities. Set of grain weights. Barometers. Psychrometer. Thermometers, &c. All exhibited for construction and cheapness.

21 WEILBACH, I. J. Copenhagen, Manu.—Arimuth compass. A transparent compass, with an improved balance. A storm compass. A new log-glass, invented by the exhibitor.

22 NAYLOR, J. W. Copenhagen, Des. and Manu.—A series of twelve files made of cast-steel, consisting of a four-square rubber cut like a smooth file, weighing about 10 lbs., part of which (in the form of four twisted serpents) can be screwed off, showing a round file within containing a three square file 5 inches long; a four square file 3 inches long; a round file 1½ inch long, and a very small file. The knob at the opposite end of the second round file also screws off, and contains six different small files and rasps.

23 WULFF, Copenhagen, Manu.—Two brass tea-urns, executed by hand.

24 POTMAGER, H. Hjerling, Prop.—Specimens of common crockery, called black pots, made by the peasants of Jutland.

25 HANSEN, C. B. Copenhagen, Des. and Manu.—A lady's rosewood writing-table; and a chair.

26 NEILSEN, N. Copenhagen, Des. and Manu.—Book-case of oak, gothic style, veneered inside with candlewood (wood of the lemon-tree).


27 HOLMELAD, L. P. Copenhagen, Manu.—Stearine candles. Playing cards. Glue.

28 TUTTEN, F. Copenhagen, Manu.—Samples of crystallized sugar-candy.

29 SÆREN, S. Copenhagen.—A carriage axle.

30 HORNBOGA, C. C. Copenhagen, Inv. and Manu.—Cabinet and horizontal pianofortes, in rosewood cases, inlaid with metallic ornaments.

31 SELBOE, J. C. Copenhagen, Manu.—

Ebony flute, B foot  with eleven silver keys,

and an Archimedean bore. Clarinet, in B flat, on J. Van Müller's construction, with two mouthpieces. Hautboy, with keys of German silver, on the older Dresden pattern.

32 MØLLER, H. P. Copenhagen, Inv. and Manu.—An orthochord: A tuning-fork.

33 THE ROYAL PORCELAIN MANUFACTORY, Copenhagen.—Ornamented and decorated vases; decorated dessert-plates, and breakfast-cups and saucers; exhibited for style and cheapness. Figures, busts, and bas-reliefs, in biscuit, after Thorwaldsen, subjects sacred, allegorical, and mythical. Decorated Etruscan vases, modelled after real antiques, exhibited for manufacture.

34 KLINGBERG, C. G. Copenhagen, Manu.—An ivory jewel casket, ornamented with bas-reliefs.

35 PETERSEN, F. Copenhagen, Des.—Four cameos, and a bronze medal.

36 CONRADSEN, N. Copenhagen, Des.—A reverse for a bronze medal, and two cameos.

37 SCHÜLKE, F. C. Copenhagen, Inv.—Specimen of a graphic mode of representation called stylography, with plates showing the whole process.

38 BRØKER, H. W. Copenhagen, Sculp.—Eros or Love. A bust in marble. A Fisher-boy angling. Orestes.

39 JENSEN, J. A. Copenhagen, Sculp.—Adam and Eve, a group in plaster. A group in marble, Hunter and panther. Two bas-reliefs in plaster, being specimens of a frieze for the royal palace of Christiansborg, in Copenhagen. A bust in plaster.

EGYPT.

THE EGYPTIAN GOVERNMENT. Commissioner, Captain ABDEL HAMID, Alexandria. Agents, REDJES HASSAN EFFENDI, Alexandria; HASSAN ALI EFFENDI, Alexandria. London Agents, CHARLES JOYCE and P. E. LAZZARI.

- 1 Small top of a table in alabaster.
- 2 Square block of alabaster.
- 3 The same.
- 4 Large top of a round table in alabaster.
- 5 Square block of alabaster.
- 6 Piece of petrified wood.
- 7 A case containing plaster-stone.
- 8 Sample of mineral sulphur.
- 9 Case containing samples of yellow and grey earth.

10 Fardeh, large baskets.

11 Case containing different kinds of natron, viz. natron carnoucdgi, from the lake of Harrara, and black and white sultani, from Terranch.

12 Two samples of potter's earth and clay.

13 Three cases containing different kinds of saltpetre.

14 One case containing a sample of hard red stone.

15 The same, of white stone.

16 Mineral natron.

17 Raw natron of Lower Egypt.

18 Refractory or stiff earth of Assouan.

19 Cassia.

20 Gum-ammoniac.

21 Mildew.

22 Coloquinto.

23 Opium of Upper Egypt.

24 Castor oil.

25 Senna.

26 Tombac.

27—33 Dates, sultani, from Siouah; from Ghassal; sultani, from Oasis; pressed, from Cairo; from Amri; from Ibrim; sultani of Cairo.

34 Aqua, skinned and pressed dates of the province of Charkey.

35 Dates of Siouah.

36 Aqua, pressed dates of Ghiseh.

37 Tobacco of Upper Egypt.

38 Fruits of palm, Doum.

39 Mildew oil.

40 Rice, ordinary, of Damietta.

41 Rice, white, of Damietta.

42 Rice, red, of Damietta.

43 Pois chiches grillia.

44 Refined sugar from the steam manufactory at Minich.

45 Refined sugar of the steam manufactory.

46 Fenugru of Lower Egypt.

47 Raw sugar.

48 Half refined sugar.

49 Plant, good for eating, Habelazis.

50 Licquorice paste.

51 Mustard seed.

52 Wheat of Upper Egypt, first choise.

53 Lettuce-oil.

54 Dates in preserve.

55 Carthame oil.

56 Honeycomb of Mehalech.

57 Large olives in oil.

58 Olives, ordinary quality.

59 White honey of Mehalech, first quality.

60 Dates in honey, from the province of Charkey.

61 White honey of Mansourah.

62 White honey of Charkey.

63 Three vases of butter, different kinds.

64 Tamarinds.

65 Troène.

66 Sugar candy.

67 Linseed.

68 Wheat of Upper Egypt.

69 Wheat of Lower Egypt.

70 White Indian corn.

71 Castor-oil seed.

72 Clover seed.

73 Barley of Upper Egypt.

74 Sessamum seed.

75 Rice of Rossetta, Fahl.

76 Cumin seed.

77 Fennel.

78 Anise seed.

79 Indigo of the country.

- 80 Poppy seed.
 81 Clover seed of Maskafui.
 82 Boutargue of Damietta.
 83 Rice of Rosetta, Aüselbent.
 84 Beans of Lower Egypt.
 85 Small Indian corn, yellow, Eouedgi.
 86 Rice of Rosetta, first quality.
 87 Small white Indian corn of Benisouet.
 88 Harico of the country.
 89 Beans of Upper Egypt.
 90 Small red Indian corn, Eouedgi.
 91 Yellow Indian corn.
 92 Small white Indian corn of Lower Egypt.
 93 Wheat of the province of Charkyé.
 94 Barley of Lower Egypt.
 95 Pois chiches of Upper Egypt.
 96 Lentils of Upper Egypt.
 97 Pois chiches of Lower Egypt.
 98 Lentils of Lower Egypt.
 99 Yellow Indian corn of Turkey.
 100 Saffron.
 101 Peas.
 102 Sesame oil.
 103 Sugar for Turkish drink (sorbets).
 104 Sugar-canes.
 105 Flax combed by machine.
 106 Makb cotton, first quality.
 107 Flax of Fayoum.
 108 Flax of Menauf.
 109 Hemp seed.
 110 Lupins.
 111 Essence of mint.
 112 Club of ebony of Sennar.
 113, 114 Horns of antelopes and gazelle.
 115 Elephant teeth of Soudan.
 116 Virgin wax.
 117—119 Horns of the rhinoceros, wild bull, and capri-corns.
 120 Gum of Sennar, chosen.
 121 Gum of Sennar.
 122 Mimosa seeds.
 123 Cardamomum.
 124, 125 Horns of buffalo and of the ox.
 126 Maps, ordinary, of Upper Egypt.
 127 Skin of crocodile.
 128 Mat for cheese.
 129—131 Oil of cotton seed, turnip, and linseed.
 132 Fibres of the date-tree.
 133 Tray of date-leaves of Rosetta.
 134 Sea island Cotton, cultivated by T. W. Larkins.
 135 Rose-water of Fayrum.
 136 Mint-water of Rosetta.
 137 Orange-flower water.
 138—140 Sample of alizier wood, of sycamore, and of palm, Donn.
 141, 142 Trunk of date-tree; of ebony of Sennar.
 143 Piece of ebony.
 144 Rules of ebony, Sennar.
 145 Piece of sweet palm-tree.
 146 Acacia wood.
 147—149 Sample of palm-tree, Donn; of date-tree; of asedarak.
 150 Net of fibres of date-tree.
 151 Cotton of second quality.
 152 Hemp.
 153 Coffee-mill.
 154 Mill to be worked by the hands.
 155 Trough for paste and bread.
 156—158 Sieves for sesamum wheat and Indian corn.
 159—161 Horse-hair sieve, and two silk sieves.
 162 Measure in wood, bound in iron, Rouht.
 163 Weight in brass.
 164 Goat-skin bottle.
 165 Steel-yard, with its appendages.
 166 Flints.
 167 Basket of dates.
 168 Wooden locks.
 169 Pick-axe.
 170 Bill-hook.
 171 Sickle for clover.
 172 Hoe.
 173 Egyptian plough.
 174 Nores machine to sow seed.
 175 Cotton cloth for cacotons of a frigate.
 176 Cotton cloth for topsail of a vessel or man-of-war.
 177 Cotton cloth for cacotons of a vessel or man-of-war.
 178 Cotton cloth for topsail of a frigate.
 179 Cambrie printed in the manufactory, Shoulbrack.
 180 Cotton cloth, unbleached, Bissa.
 181 Cotton cloth, bleached, Bissa.
 182 Cotton cloth, bleached, Settine.
 183 Sail-cloth for the boats of the Nile.
 184 Cotton cloth for soldiers' shirts.
 185 Cambrie, unbleached.
 186 Cotton cloth, Borsato.
 187 Cotton cloth for soldiers' pantaloons.
 188 Woollen brown covering.
 189 White woollen belts of Upper Egypt.
 190 Coat in black wool.
 191 Coat of fellah, in black wool.
 192 Cap of fellah, in brown beaver.
 193 Melayé, in silk, red ground, stripes worked in gold.
 194 Habara veil, in black silk, for female.
 195 Silk piece goods, violet colour, in four stripes.
 196 Silk piece goods, dark green, in orange stripes.
 197 Apron, in dark blue, with yellow and red border.
 198—201 Silk piece goods: violet, with two stripes; dark blue, with four stripes; yellow striped; crossed in blue.
 202 Table cloth, in silk, red ground, chimé in gold, green border.
 203 Silk piece goods, crossed in red.
 204 Towel, with borders.
 205—210 Silk piece goods: dark purple; crossed violet; green, with two stripes; violet, red, with two stripes; red, with green stripes.
 211 Silk and gold fringe, for divans.
 212 Sample of gold and silk fringe, for curtains.
 213 Fringe in gold, to ornament divans.
 214 Samples of gold fringe, for divans.
 215 Crape, of red silk.
 216 Plaited silk, of different colours.
 217 Silk dark-blue corde, to suspend pistols.
 218 Pair of garters, in silk and gold.
 219 Tassel of dark-blue silk, for tarbouche.
 220 Sample of plaited gold.
 221 Sample of gold fringe.
 222 Samples of fringe, in various colours.
 223 Fringes of black silk and gold, to ornament sword handles.
 224 Cavalry sword, in blue and gold.
 225 Samples of plaited silk and gold.
 226 Linen cloth, for packing, from Lower Egypt.
 227 Dromedary saddle, with its appendages.
 228 Arab saddle, with the same.
 229 Saddle of Cairo, worked in gold thread, with its appendages.
 230 Saddle-cloth, in beaver.
 231 (Marahaka) saddle, red cloth, embroidered in gold.
 232—234 Skins of the ox: black; bleached white; red.
 235 Skin of buffalo, bleached white.

- 236 Skin of buffalo, of Rosetta.
 237 Skin of ox, for soles.
 238 Skin of buffalo, bleached with oak bark.
 239 Skin of calf, for boots.
 240 Skin of calf, from Domanhour.
 241 Skin of buffalo, for soles.
 242 Skin of ox, bleached with mimosa seed.
 243 Brushes for the use of stables, in date fibres.
 244—246 Wallets, in wool, ornamented in leather, from de Bein Mesar, Ghizeh, and Upper Egypt.
 247 Skin of camel.
 248 One hundred and sixty-five volumes of works in Turkish, Arabic, and Persian, published at Bouisc.
 249 Carpet, in coloured beaver.
 250 Saff cloth, of Broulos.
 251 Holster for pistols, in skin, &c.
 252 Sword of Damascus, ornamented in silver gilt, with gold belt.
 253, 254 Gut cord, to clean cotton and wool.
 255 Basket for cheese, in cane.
 256 Scales, in date branches.
 257 Little coloured basket, from Upper Egypt.
 258, 259 Cord, of fibres of date, from Broulos and Ghizeh.
 260 Wax candles, white and yellow.
 261 Yellow shoes.
 262—265 Red shoes: double and single soled, de citadin, and for grooms.
 266 Narguill, or water-pipe.
 267 Donkey saddle.
 268—270 Leather belts, of various sizes.
 271 Red morocco tobacco bag.
 272, 273 Mother-of-pear rows, large and small.
 274 Chapelet, in nut of Dourn.
 275 Bottle for antimony.
 276 Ostrich eggs.
 277 (Marghouma) basket, in date branches.
 278, 279 Pipe bowls, of Assouan and Assiout.
 280 Bag, in goat-skin.
 281 (Tarka) veils, for women, red ground, with flowers.
 282 The same, red ground, striped.
 283 The same, in embroidered muslin.
 284 (Kamar) belt, in silk, for grooms.
 285—287 (Dekks) strings for pantaloons, embroidered.
 288 (Yasma) kerchief, for women's head-dress.
 289 Silk turbans, for Bedouins.
 290 (Melayé Bassioui) veil, for women, in silk.
 291—293 (Remoud) red silk strings.
 294 (Zardakham) apron, for dress, in worked silk.
 295, 296 Silk piece goods, with yellow and red grounds.
 297 (Chaki) cotton and silk piece goods.
 298 Silk piece goods, dark green.
 299 Travelling belt.
 300 (Deraye) thick silk, for lining.
 301 Taftas, violet, changing.
 302—304 Tarbouches of Touba, of various sizes.
 305 (Cotné) silk and cotton piece goods.
 306—309 Linens, from Lower Egypt, Mehallah, and d'Abiar.
 310 Belt, in red silk.
 311 Linen cloth, from Mehallah.
 312 Linen cloth, ordinary, from Assiout.
 313 Tassels in gold.
 314 The same, for pipes.
 315 Tassels in silk, blue and gold.
 316 Tassels in silk, for pipes.
 317 Tassels in silk, with the top in gold.
 318 Grape, in black silk.
 319 Handkerchief, in muslin, embroidered in Cairo.
 320, 321 (Takié) white caps.
 322, 323 Handkerchiefs, in muslin, embroidered at Alexandria.
 324 (Azbe) large head-dress, in black silk.
 325 Silk piece goods, dark blue.
 326 Taftas, red.
 327 (Zardakham) apron, in silk, worked in gold.
 328 Handkerchief, in muslin, worked at Alexandria.
 329 Bag for a watch, embroidered in gold and silver.
 330 Tobacco bag, embroidered in gold and silver.
 331 Handkerchief, in muslin, embroidered at Alexandria.
 332 (Cousye) veil of silk, with borders, for men.
 333 (Azbe) hair dress, in black silk, from Cairo.
 334 Taftas, red and green, changing.
 335 Samples of taftas, different colours.
 336 (Melasé) woman's veil, in silk.
 337 (Cotin) silk and cotton piece goods.
 338 Linen cloth, fine, from Assiout.
 339 (Chaks) silk and cotton piece goods.
 340 Lantern, in date branches.
 341 Extinguisher, in Kench earth.
 342 Jar, in the same.
 343 Cover, of Indian cane.
 344 Basket, containing a water jug.
 345 Water jugs, of Kench earth.
 346 Basket, containing a marghouma.
 347 Water jugs, of Kench earth.
 348 Writing case, in alisier wood.
 349 Fane, &c.
 350—352 Trays, in date branches, coloured, various sizes.
 353 Small baskets, in date branches, from Upper Egypt.
 354 Piece of thick rope, in date branches.
 355 (Leban) rope to tie boats.
 356 (Salsch) rope to tie loads.
 357 Large baskets, from Upper Egypt.
 358—360 White baskets, of various sizes.
 361 (Batta) butter-tub, for voyage, in leather.
 362 Strings of date fibres, for carrying straw.
 363 Pipes from Cairo.
 364 Bowls of pipes.
 365 Dromedary saddle, with complete appendages.
 366 White and black wool.
 367 Soda.
 368 Narguill, in zinc, with the silver stand, &c.
 369 Inkstand in silver.
 370 Holster for pistols.
 371 Raw and refined alum.
 372 Saddle, in velvet, richly ornamented, and its appendages.
 373 (Marchaba) saddle without the back, and its appendages.
 374 Catalogue of the oriental books.
 375 Silver tray for coffee.
 376 Stoppers for jugs made in earth of assioul.
 377 Box for holding the coffee.
 378 Silver sieve for coffee.
 379 Flask for antimony, in silver.
 380 Silver coffee-pot.
 381 Porcelain coffee cups.
 382 Silver stands for the cups.
 383 Large box, containing the coffee service.
 384 Silk, first quality (imitation of Eroussa); the same, ordinary, and six other qualities of silk.
 385 Silver stoppers for jugs.
 386 Flask for rose-water, and *cassolettes* for perfume.
 387 Réchaud, coffee-stand, in silver.
 388 Licorice wood.
 389 Rum, from Upper Egypt.
 390 Oil.
 391 Refined sugar, from Ibrahim Pasha's refinery.

FRANCE AND ALGIERS.

(Commissioner in London: M. SALLANBOUZE DE LAMORNAIX, 12 George St. Hanover Sq.)

- 1 **ABELFRÉ, C.** Manufactory, Mulhouse (Haut-Rhin), and at M. GUYON'S, 8 Rue de la Bourne, Paris.—Pieces of silk and woollen damask, wrought by Jacquard looms.
- 2 **ACSEBRANT, P.** Manufacturer, St. Quentin (Aisne).—Hydraulic lime reduced to powder (patented).
- 3 **ALBOY, L. N.** Manufacturer, Bois-Milon, Seta (Orne).—Elbow and broken axletree plough. Patent.
- 4 **ALCAN & LOCATELLE**, Civil Engineers, 28 Rue d'Enghien, Paris.—Various files, patented in France, England, Belgium, and Germany.
- 5 **ALCAN & LIMET**, Civil Engineers, 28 Rue d'Enghien, Paris.—Spun silk. Calcutta silk cocoons.
- 6 **ALEX, A. J.** Wax Modeller, 41 Rue Montmartre, Paris.—Figures for hair-dressers. Stays and fancy articles.
- 7 **AMBAUD, —**, Manufacturer, 59 Rue Meslay, Paris.—Fancy papers and borders. Boardings of all sorts. China paper and cards.
- 8 **ANDUIN & CHANCEL**, Manufacturers, Briançon (Haute-Alpes), Post Office.—White fancy combed floss silk, obtained by the preparation and the carding of spinning waste and throwing silk.
- 9 **ARNAUD**, Manufacturer 96 Rue St. Denis, Paris.—Fancy papers. Plate ornaments and shades made of lace-paper.
- 10 **ARNET & NOEL**, Manufacturers, 265 and 267 Rue Richelieu, Paris.—Spirits and fruit brandy made by vacuum distillation.
- 11 **ARNOT, E. J.** Manufactory and Dépôt, 81 Rue Richelieu, Paris.—Work-boxes of all sorts, for travelling and other purposes.
- 12 **AUGAN, M.** Manufacturer, 10 Rue de Latour d'Angvergne, Paris.—Artificial gum.
- 13 **AUDOUX, L. M. D.** 1 Rue de l'Observance, Paris.—Models in comparative anatomy.
- 14 **BAILLY, C. & SON**, Mores-du-Jura.—Tower clocks.
- 15 **BARANOWSKI, J. J.** 3 Rue de Farnes, Paris. (Agent in London, W. Lund, 24 Fleet Street, City).—Machines for printing and numbering tickets, &c. Patented in England and France. Voting and other machines.
- 16 **BARRALLOU & BIGNARD, J.** St. Etienne (Loire).—Plain satin. Ribbons and fabrics made of raw silk. Patented. Dyed and printed after weaving.
- 17 **BONNET, A.** Manufacturer, Beaumont (Marne).—Unbleached and coloured merino tissues.
- 18 **DE BAJELAIRE, E.** Ribbon Manufacturer, Moirans (Isère).—Satin and taffeta ribbons.
- 19 **BARRAUX LECURER, J. L.** Manufacturer, Bazoncourt (Marne).—Pieces of merino, part unbleached, and part dyed.
- 20 **BARRE, R.** China Manufacturer, Orehamps (Jura).—Hard description of chinaware, fire-proof.
- 21 **BARTH, MASSING, & PLEIGNON**, Manufacturers, Sarreguemine (Moselle), and at 29 Rue du Temple, Paris.—Plush and silk velvets for hats.
- 22 **BATHIES, V.** Bootmaker, à la Souterraine (Creuse).—Wooden shoes of different shapes and sizes, a new invention. Exported.
- 23 **BAUDIN, A.** Pasteboard Works Maker, 6 Rue du Marché, St. Honoré, Paris.—Fine and common pasteboard. Stationery, &c.
- 24 **BENCLIFT, S.** Saddler, 36 Rue de Ponthieu, Paris.—Horse-collars, harness, saddles, &c.
- 25 **BENZIER, W.** Watch Glass Manufacturer, 27 Rue de Paradis Poissonnière, Paris.—Spectacle glasses. Crystal door-handles, mounted in glass or in metal.
- 26 **BILLECOQ, A.** Shawl Manufacturer, 25 Boulevard Poissonnière, Paris.—Fancy needlework on shawls, scarfs, and cashmere and crape fabrics.
- 27 **BLANCHET, J. B.** Manufacturer, St. Just-en-Chausse (Oise).—Specimens of plain and embroidered net-work. Plain and fancy silk stockings.
- 28 **BLANRY, FOURN, & Co.**, Metallic Pen Manufacturers, Boulogne-sur-mer.—Steel pens of every shape.
- 29 **BLECH, STEINBACH, & MANTZ**, Manufacturers, Mulhouse (Haut-Rhin), and at 37 Rue de Sentier, Paris.—Printed cotton goods, for exportation.
- 30 **BLEKIOT & LEMAITRE**, Manufacturers, 81 Rue de Cléry, Paris.—A piece of lawn kerchiefs and several pieces of linen.
- 31 **BOILEAU, E.** Manufacturer, Pontfaverger (Marne).—Pieces of unbleached merino.
- 32 **BONIFACE & SONS**, Linen Manufacturers, Cambrai, (Nord).—Linen fabrics, cambric, and lawn.
- 33 **BORTE, L.** Manufacturer, Roubaix (Nord).—Assortment of mixed fabrics of wool and cotton for trousers.
- 34 **BOCHER, P.** Manufacturer, Warmerville (Marne).—Dyed and unbleached merino fabrics.
- 35 **BOYER, sen., LACOUR BROTHERS**, Manufacturers, Limoges (Haute Vienne).—Flannels and druggets.
- 36 **BRÉHAUTE, E.** Fancy Paper Manufacturer, 11 Rue de la Monnaie, Paris.—"Aquarelle" cards, and embossed cards for drawings and frames.
- 37 **BRUN, A.** Glove Manufacturer, Grenoble (Isère).—Machine for cutting out gloves. Kid gloves, in process of manufacture. Dressed leathers.
- 38 **BRUNEAUX & SONS**, Machine Builders, Bethel (Ardenne).—Combed wool, spun by an apparatus of the exhibit's construction.
- 39 **BURGON, WALLER, BERGER, & Co.** Glassworks, Götzenbruck (Moselle).—Watch and pendulum glasses, watch cases, boxes, spirits of wine lamps, &c.
- 40 **BARRERE, B.** Engineer and Engraver, from LEMERCIER'S, 62 Rue Magazine, Paris.—Specimens produced by four new engraving and carving machines.
- 41 **BARRIS BROTHERS**, St. Julien, in St. Alban (Ardèche).—Specimens of cocoons, and silk winding. Organzine, for manufacturing silk fabrics, plush, satin, figured, and plain ribbons.
- 42 **BATAILLE, V.** Blangy-sur-Brest (Seine-Inférieure).—Pyroligneous and other acids. Chemical productions used in manufactures, principally for dyeing and printing of stuffs.
- 43 **BAUDON, —**, Wood-dyer, 6 Rue Neuve St. Laurent, Paris.—Black-wood, with patchwork of various colours, for fancy joiner's work, dressing-boxes, liquor-cases, &c.
- 44 **BAUDOIN, A. P.** 74 Rue Richelieu, Paris.—Specimen of enamel painting.
- 45 **DE BAY, —**, Statuary, 5 Passage Colbert, Rotonde, Paris.—Artificial stone statues and ornaments. Patent baked clay.
- 46 **DE BEAUFORT, —**, 28 Rue de Bourgogne, Paris.—Artificial foot.
- 47 **DE BEAUVOYE, CH.,** Surgeon, Seiches (Maine and Loire).—Beehives, pigeon-holes, &c. Apparatus for agricultural purposes, or for rearing bees.
- 48 **BECHOT & SONS**, 3 Rue du Pont Louis Philippe, Paris.—Travelling-clocks.
- 49 **BEGOU BROTHERS**, Italian Paste Manufacturers,

- Impasse des Argentiers, Bordeaux.—Vermicelli, starch, gluten, and vegetable meal of all descriptions.
- 50 BELVALETTI BROTHERS, Coach Makers, Boulogne-sur-mer.—Hunting and other carriages.
- 51 BERNARD & Co. 44 Rue Biancha, Paris.—Small coals purified, and residue of the same. Patented in France, England, Belgium, and Germany.
- 52 BERLIERE, A. 4 Rue de Provence, Paris.—Ornamental penmanship. Design in penmanship, representing Sir Robert Peel, Small ebony furniture.
- 53 BERLONS & Co. Plate Glass Manufacturers, 16 Rue de la Douane, Paris.—Glasses unfinished, with gilt and carved frames.
- 54 BERR & Co. 17 Rue de Cléry, Paris. Agents in London, Graetner & Herman, 3 Huggin Lane, Wood St. Chesapeake, City.—Net embroidery and muslin of all sorts.
- 55 BEZUS BROTHERS, 73 Rue Montmartre, Paris.—Designs of all kinds of cashmere shawls.
- 56 BERTHAULT, —, Manufacturer, Issoudun (Indre).—Parchments of various sorts for bookbinding, coverings, boxes, sheaths, printings, &c.
- 57 BERTHOUD, —, Carrier, 5 Rue Oblin, Paris.—Paris and Milan leathers.
- 58 BERTHOUD, —, Gunsmith, 56 Passage Choiseul, Paris.—Guns of several kinds: damasked and carved rifle gun; drawing-room pistol; pistol with carved barrel, &c.]
- 59 BERTHARD, F. & Co. Ganges (Hérault).—Fish-net for sea-fishing, made by machinery with a single thread; patented.
- 60 BESCHER, R. F. 2 Rue Guénégaud, Hôtel des Monnaies, Paris.—Musical composing stick; patented. Apparatus representing the musical scale in relation with a set of pianoforte keys.
- 61 BERNARD, RICHOUX, & GENEST, Angers (Maine and Loire).—Various specimens of hemp ropes and cords of all sorts.
- 62 BIERER, L. 32 Rue Hautefeuille, Paris.—Clyster irrigator, or syphon irrigator; patented. Self-acting apparatus, easy to wind up.
- 63 BIANCHI, L. 5 Rue Grange-aux-belles, Impasse St. Opportune, Paris.—White and dyed porcelain paper and cards. Stucco-paper and cards. Damasked papers.
- 64 BONKAMBUX, —, Carver, Paris.—Cupid cutting off his wings: a figure in bronze, by Messrs. Eck & Durand, founders, in Paris.
- 65 BOUGLEUX & Co. 20 Rue Neuve, St. Augustin, Paris.—Woolen and silk fancy articles; lace for furniture, &c.
- 66 BOUCHARD, H. Mrs. Printer and Bookseller, 5 Rue de l'Eperon, Paris.—Various works of science, rural economy, and natural history.
- 67 BOURDALOUE, —.—Large drawings, representing the entire self-motive mechanism of the exhibitor.
- 68 BOUTONS & DERRIERS, Manufacturers, Amiens (Somme).—Trimming-slips (patented), for dresses and furniture.
- 69 BOYER, P. J. Watch-maker, Dôle, Jura.—Patent watches going for eight days and for thirty-two days.
- 70 BOYER, —, Bronze Manufacturer, 33 Rue Saintange, Paris.—Various bronze articles: Clocks, candelabras, figures, cups, lustres, and bronze of art.
- 71 BOYER & Co. Chemists, 33 Rue de la Harpe, Paris.—Albumen of blood, called *Serum albumineux*. (Patent in France.)
- 72 BRAUN, C. Designer, 34 Boulevard Bonne Nouvelle, Paris.—Designs for ribbons, made by Vignat Brothers, of St. Etienne. Large drawings for silk fabric.
- 73 BREVID BROTHERS, Manufactory, 5 Rue Colbert, Tours; Depot, 3 Rue Caumartin, Paris.—Improved boots, shoes, &c. with seams.
- 74 BROCCIERI, P. 21 Rue Louis-le-Grand, Paris.—Human and animal prepared blood, in a healthy or unhealthy state; preserved by "Broccieri's fluid." Patented.
- 75 BRUNIER, LERORMOND, & Co. 55 Rue Vivienne, Paris.—Aromatic vinegar for toilet purposes.
- 76 BRUNIER, —, 55 Rue Vivienne, Paris.—Specimens of gold plating upon copper.
- 77 BUDIN, —, Carrier, 50 Rue de Fer, Moulin, Paris.—Tanned and curried horse hides: for shoe-tops and upper leather.
- 78 BUDIN-SIGNEZ, —, Manufacturer, Beauvais (Oise).—Woven felts of all sizes, for continuous machines for the manufacture of pasteboard and paper.
- 79 BURAT BROTHERS, Surgeons, 12 Rue Mandar, Paris.—Trusses, with eccentric pivot.
- 80 CAILLAUX, Madame A. 16 Passage du Saumon, Paris.—White satin stays. Moire stays, with mechanical buck.
- 81 CABRET & ROUX, Spinners, St. André de Valborgne (Gard). Agents in Paris, M.M. A. Germaine & Co. 30 Rue de l'Ecliquier.—Raw silks: cocoons, white and yellow.
- 82 CAILLET, F. Manufacturer, Bazancourt (Marne).—Unbleached and dyed merinos.
- 83 CASTEL, E. Manufacturer, Aubusson (Gironde).—Door-curtains, Aubusson tissue, and in the Gobelin style. Panels of the same description. Sofa, table-cover, and rug.
- 84 CHERF & NAKARA, Paste-board Works Manufacturers, 17 Rue St. Remy, Bordeaux (Gironde).—Fine paste-board work for holding wedding-presents; toilet and perfume boxes, &c.
- 85 CHARTIER, P. Glass Manufacturers, Douai, Nord.—Glass demijohns, enclosed in white wicker. For exportation.
- 86 CHATELAIN & FERON, Cloth Manufacturers, Rheims (Marne).—Bolvart flannel. Cloaks. Sultana cloths. Zephyr cloths.
- 87 CHENARD BROTHERS, Hat Manufacturers, Rue du Fuits au Marais, Paris.—Hare and beaver hats. Pieces of felt for waistcoats.
- 88 CHIBOT & Co. Manufacturers, Nantes (Loire-Inférieure).—Specimens of threads, cloths, and cordings, of Loire hemp. Designs; a spinning-machine, and a machine for rope-manufacturing. Patented in England.
- 89 CHIRARD, jun. Shawl Manufacturer, 9 Rue de Cléry, Paris.—A variety of long and square shawls.
- 90 CHOCQUET, L. Printed Shawl Manufacturer, Labriche, near St. Denis (Seine).—Printed long shawls, and printed gowns and dresses.
- 91 CHRISTOPHE, L. A. Manufacturer, Leschelles (Aisne).—Various specimens of wood tissue.
- 92 COCU, A. Manufacturer, 58 Faubourg du Temple, Paris.—Cashmere fabrics for waistcoats.
- 93 COLLIER, F. C. Lace and Trimming Manufacturer, Rue des Vieilles Handriettes, Paris.—Various specimens of lace-work and trimmings.
- 94 COMBASTIN, J. M. Manufacturer, 7 Rue d'Antin.—Artificial flowers for head-dresses, and wreaths. Gilt-iron columns. Quicksilvered and other mirrors.
- 95 CORVILLE, J. H. Jeweller, 36 Rue du Temple, Paris.—Goblets. Dressing-case stand. Crystal figures.
- 96 COUDRE & SOUCARET, jun. Silk-spinners, Montauban (Tarn and Garonne).—Raw silk. Raw silk tissues. &c.
- 97 COURTET BROTHERS & BAREZ, Manufacturers, Périgueux (Dordogne).—Woolen stuffs, called *Cadis*.
- 98 COUTURIER & RENAULT, Manufacturers, Sargemines (Moselle), and 31 Rue St. Avoye, Paris.—Silk plush for hats. Bonnets.
- 99 CUDROT, A. Locksmith, 177 Rue Montmartre, Paris.—Various articles of fine and ornamental locksmiths' work and ironmongery for buildings.

- 100 CALLO, JR. & FRIN, Alimentary Preserve Manufacturers, Nantes (Loire-Inférieure).—Sardines preserved in pure olive oil. For exportation.
- 101 DE CALIGNY.—Hydraulic apparatus.
- 102 CANDLOT, —, Wedding Manufacturer, 6 Rue St. Pierre Popincourt, Paris.—Parisian waddings, made of one piece by a wadding-machine. Invented by M. Robertson, 19 Boulevard Montmartre, Paris.
- 103 CANDLOT, —, St. Just-en-Chaussée (Oise).—Nutritious and fertilising manure.
- 104 CARBONNEAU, J. B. C.—Wood engravings, for printing illustrations. Being a portion of a work named "History of the Painters of all Schools," edited by Mr. Armengaud.
- 105 CARVER, X. 1 Rue des Jéanneur, Paris.—Designs for shawls, and of Cashmere for dresses, &c. Designs for printed fabrics.
- 106 CARRIERS BROTHERS, Curriers, Amiens (Somme).—Curried calf-skins and boot-legs. For exportation.
- 107 CASTELLE, —, 55 Rue de la Verrerie, Paris.—Waterproof gelatine in sheets. Glass-paper. Crystal-paper. Printed gelatine. Engraved gelatine.
- 108 CAZAL, 27 Boulevard des Italiens, Paris.—Self-opening umbrellas and parasols. Travelling-sticks and umbrellas.
- 109 DE CAVAILLOX, —, Chemist, 30 Rue Taitbous, Paris.—Chemical productions, obtained by purifying gas.
- 110 CHAGOT, sen. D. A. 73 Rue de Richelieu, Paris.—Feathers, flowers, head-dresses, and all sorts of fancy articles for ladies.
- 111 CHALEYER, J. 24 Rue du Roi de Sicile (Marais).—Beam and cutting-machine; for army equipments, jewellers, watchmakers, lamps, &c.
- 112 CHAMRON, F. Cheylard (Ardèche).—Printed and dyed fabrics. Bandannas of every description.
- 113 CHAMRON, C. Alais (Gard).—White and yellow raw and wrought silks.
- 114 CHAMPANHET, M. M. J. Vals, near Aubenas (Ardèche).—Raw and thrown silk.
- 115 CHARBONNIER, —, Truss-maker, 347 Rue St. Honoré, Paris.—Shower-bath apparatus and syphons. Various trusses.
- 116 CHARDON & SON, 30 Rue Hautefeuille, Paris.—Various engravings, specimens of printing.
- 117 CHARLES & Co. 7 Rue Furstemberg, and 23 South Molton Street, Oxford Street, London.—Machines made of galvanized sheet-iron or copper, for washing linen, &c.
- 118 CHATEL, —, Designer, 2 Rue de Mulhouse, Paris.—Manufactured designs for silks, mousseline-de-laine, jaconet, printed cotton, and carpets.
- 119 CHENOT, A.—Metallic sponges. Iron and steel, produced by means of the said sponges without smelting the ore.
- 120 CHENNEVIERE, D. Louviers (Eure).—Cloth, and other fancy articles.
- 121 CHEVER, J. Palais National.—Preserves of all sorts—complete dinners. Dishes prepared for cooking, with gravy and sauces ready for use.
- 122 CHOMEREAU, —, Drawing-master of the Lyceum at Laval (Mayenne).—Wax—relievo models of ornaments for jewel-boxes.
- 123 CHUARD, —, 6 Rue Carnot, Paris.—Safety lamps, without wire gauze; gasoscopes, &c. Apparatus used for preventing explosions of gas in pits and all places lit by gas.
- 124 COCHON & COLIN, 7 Rue de Déchargeurs, Paris (Manufactories at Croyes and Arets).—Hosiery: Stockings, socks, gloves, trousers, waistcoats, and night-gowns.
- 125 COCU, A. 58 Faubourg du Temple, Paris.—Cashmere texture: waistcoats of all descriptions.
- 126 COLLIN, C. E., 7 Quai Conti, Paris.—Hydrographic engravings, plans, charts; topographical and hydrographical studies. The above works are a portion of the publications of the Navy Dépôt in Paris.
- 127 COLVILLE, A. Chemist, Rue de Vinaigriers, Paris.—Glass colours, for painting on enamel and china; with painted specimens.
- 128 COPPIN, L. Douai (Nord).—Improved hides for cards. Finished and unfinished linings and plates, for wool and cotton cards.
- 129 COULAUX & Co., sen., Melshain and Klingenthal (Bas-Rhin).—Side-arms and articles of hardware. Extensive manufactory—formerly a Royal arms manufactory.
- 130 COURRON, A. sen. 23 Rue des Vieux, Augustins, Paris.—Curvilinear piston, for brass musical instruments, to replace into rectangular pistons. Patent.
- 131 CROFFER, —, Piano-forte Manufacturer, Toulouse (Haute-Garonne).—Cottage piano. Small mahogany model.
- 132 CROUTELLE, —, Rheims (Marne).—Spun yarn and sized yarn, for machine weaving.
- 133 CRUCIFIX, E. Crevecoeur, near Beauvais (Oise).—Waterproof shoes, boots, &c. The sole is five-fold, made of leather, wood, and cork.
- 134 CUDREUX, F. 68 Rue du Faubourg du Temple, Paris.—Fasteners, for securing windows and doors.
- 135 CURKER, A. 13 Rue des Marais, St. Germain, Paris.—Stereotype, made of paper maché, of general use in French libraries.
- 136 DANJARD, L. F. A. Manufacturer, 40 Rue St. Germain, Paris.—Mechanical dolls for milliners.
- 137 DAUTREMER & Co. Flax Spinners, Lille (Nord).—Grey and yellow lawn threads.
- 138 DAVID, LARIZ, & Co. Woollen Manufacturers, Seins Richaumont (Aisne).—Unbleached and coloured merino fabrics.
- 139 DEBRAY, C. Basket-worker, 73 Rue Rambuteau, Paris.—Baskets of different shapes.
- 140 DEBUCHY, F. Manufacturer, Lille (Nord), Rue Basse.—Drills, and other tissues, for waistcoatings. New fancy materials for trousers.
- 141 DELACR MONTIGNAC, F. Net Manufacturer, 414 Rue St. Honoré, Paris.—Silk threads for fishing lines; fishing nets; sweeping nets.
- 142 DELATTRE & SON, Manufacturers, Roubaix (Nord).—Various fabrics for dresses, of long combed wool and combed merino wool.
- 143 DELBOUX & Co. Manufacturers, Saffres (Côte d'Or).—Woollen fabrics; combed wool; woollen threads of different kinds.
- 144 DELFOSSE BROTHERS, Manufacturers, Roubaix (Nord).—Woollen and other fabrics, in various qualities.
- 145 DEVAUX, L. Hardware Manufacturer, Condé (Nord).—Chains, bolts, and other articles of hardware.
- 146 DISTICH & Co. Cloth Manufacturers, Strasbourg (Bas-Rhin).—Kerseys cloths. Zephyr cloths of various colours.
- 147 DOURET & DUCLERE, A. Shirt-makers, 21 Rue de la Paix, Paris.—Shirting and various made-up articles.
- 148 DURAR, D. Manufacturer, Roubaix (Nord).—Cotton textures for trousers, and other articles of apparel.
- 149 DUCAOT & PETIT, Fan Maker, 11 Rue des Fontaines, Paris.—Various fans, and pasteboard moulds for folding fan leaves.
- 150 DUSSOL, —, Silk & Glove Manufacturer, Sumens (Gard).—Fine yellow and white raw silks; silk gloves of different colours.
- 151 DUVAL & PARR, Lamp-makers, 1 Boulevard, St. Denis, Paris.—Bronze and porcelain lamps, with stand, shade, and glass; different objects in bronze.
- 152 DUBARRY, T. Frecy-sur-Oise (Oise).—Silk buttons of all sorts.

- 153 DAMADVILLE, —, Poudron, near Crepy (Oise), Dépôt at Crepy.—Artificial honeycombs, for agriculture. New principle for feeding bees.
- 154 DAUCHEL, —, Manufacturer, Amiens (Somme).—Various patent tissues for furniture, designed and manufactured by the exhibitor.
- 155 DAUDRIEN, —Pontchartrain (Seine and Oise), and 4 Rue de Bessy, Paris.—Paper-hangings, painted by the hand, and capable of being washed.
- 156 DANDEVILLE, A. St. Quentin (Aisne).—Various stores and curtains, the designs of the exhibitor; patented. Pictures of Queen Victoria and Prince Albert, English colours, emblems of France.
- 157 DAVID BROTHERS, & Co. St. Quentin (Aisne), Dépôt at 20 Rue St. Flacré, Paris.—Various woollen cloths, woven with yarn combed, and produced by M. Grave, at Manchamp.
- 158 DELACHEVAS & FOURCADE, 18 Rue Croix de Nivert, Vanگریه, near Paris.—Stearine candles and stearine acids, Patented.
- 159 DELBRUCK, J. 97 Rue Neuve des Petits Champs, Paris.—Domestic perambulator for children.
- 160 DELEUEL, L. J. 8 Rue du Pont-de-Lodi, Paris.—Philosophical instruments and balances; coin-scales, air pumps, electric batteries, magneto-electric apparatus, &c.
- 161 DESH, A. Dyer, Notre Dame de Boudeville, near Rouen (Seine-Inférieure).—Pink sallower dyed calicoes.
- 162 DEVILLÉ & Co. 36 Quai Jemmapes, Paris.—French marbles of various sorts.
- 163 DESFRATE, —, 31 Rue d'Enghien, Paris.—Bas-reliefs: Triumph of Amphitrite and Napoleon at Monteterra. Bust of Voltaire, of red copper and silver.
- 164 DESPREAUX, A. A. 6 Rue Neuve des Petits Champs, Paris.—Venetian leathers, silks, dresses, &c.; new patent process for manufacturing tissues.
- 165 DEZU, P. Athies-les-Arras (Pas de Calais).—Pasteboard; linen pasteboard; straw pasteboard; for binding, packing, &c.
- 166 DEVIÈRE, —, Gunsmith, 36 Boulevard des Italiens, Paris.—Muskets. Various fire and side-arms. Patented.
- 167 DIZAUX, L. Tanners and Curriers, Guise (Aisne).—Curried hides. Calf-skins for shoes. Calf-skins for spinning-mills and for harness-makers; exportation.
- 168 DILLKREUTZ & PATRY, 8 Rue Frépillon, Paris.—Achromatic opera glasses. Gold, silver, tortoise-shell, buffalo, sham-gold, and steel spectacles. Hand, nose, and eye glasses of every description; patented.
- 169 DRONIN & BROSSIER, Chemical Production Manufacturers, Labrièche, near St. Denis (Seine).—Various chemical productions.
- 170 DUCON & Son, Tanners and Curriers, 81 Rue Cherverus, Bordeaux, (Gironde)—Boot-legs; calf-skins, rough, white, and black.
- 171 DUCHÈRE, —, M.D. 85 Rue Louis-les-Grand, Paris.—Volta-electric apparatus, and double-current magneto-electric apparatus. Invented by Messrs. Charrière and Delouis, surgical instrument makers, Paris.
- 172 DUCHESS, House Painter, 16 Rue Croix des Petits Champs, Paris.—Preparation for artificial and monumental painting; applicable upon flag-stones in damp places.
- 173 DUROCHET, P. A. Organ-builder, Rue St. Mair St. Germain, Paris.—Church-organ, with 20 stops, two rows of keys, and one pedal stop. Patented.
- 174 DURON & Son, Brushmaker, Lille (Nord), and 40 Rue de Paris.—Patent mechanical brush for rubbing floors.
- 175 DUARIN, X. Silk-producer, Tournon (Rhône).—Yellow raw spun silk. Organzine, employed in manufacturing the rich stuffs, ribbons, crapes, and satins of Lyons and St. Etienne.
- 176 DUMERIL LEVY, Sew & Co. St. Omer (Pas de Calais)—Clay pipes, patented; and clay figures. Samples of various sorts.
- 177 DUMONTIER, L. Boussacque, near Lille (Nord).—Bunch of raw flax, French growth, retted in the river Lys (Nord) in 1849.
- 178 DUMOUILLÉ, S. 44 Rue Basse du Rempart, Paris.—Stays without gussets. Patented invention.
- 179 DURAR, G. Coachmaker, 80 Rue de l'Oratoire du Poule, Paris.—Two-wheeled carriage, of the tilbury kind. Patented in France and England.
- 180 DUPOY, A. 8 and 5 Rue Neuve St. Augustins, Paris.—Solid wrought and cast-iron ornamented bedsteads; spring mattresses. Patented.
- 181 DUPOY, P. 55 Rue de Grenelle St. Honoré, Paris.—Administrative printing office and library; lithography; litho-typography. Stereotype on stone, and stones for lithography.
- 182 DUPOY, V. 16 Rue des France-Bourgeois St. Marcell, Paris.—Hydes of large size, prepared by a new process, patented in France, for splitting hides.
- 183 DUPOY, J. F. Forger-les-Eaux (Seine-Inférieure).—Green copperas, or sulphate of iron.
- 184 DUFOUR, J. Marble-worker, 22 Petite rue St. Pierre Amelot, Paris.—Marble chimneys.
- 185 DUFOUR, P. Rope-maker, Beauvais Oise, 11 Rue de l'Écu.—Wire ropes, with spring-shifting bevel, to support the wooden bars in stables. Ropes (with concentric knot) for buildings and for the navy. New inventions, patented.
- 186 DURAND, —, Le Sauvatat du Drob (Lot and Garonne).—Stove-oven: new principle, patented. Redwood medal of the functioning apparatus, one-third of its size.
- 187 DURKHEVEU, J. B. Carver, 86 Rue de l'Ouest.—St. Michael and the dragon, colossal group, made of plaster.
- 188 DURUET, J. Agriculturist, 256 Quai de Jemmapes, Paris.—Agricultural products: wheat of various qualities, rye, barley, winter-barley, oats, and potatoes, the produce of La Cassine farm, at St. Maur, near Paris.
- 189 DUVAL, A. Caen (Calvados).—Yellow and white silk yarn, especially suitable to lace and blonde manufacturing.
- 190 EVROT, C. N. Manufacturer, Charmes (Voges).—Imitations of different marbles, prepared by means of oil-stones.
- 191 EMMERICH & GOEBBEL & SON, Strasbourg (Bass-Rhin).—Black, grey, and metal-blue morocco skins.
- 192 ENGELMANN & GRAY, 12 Rue de l'Abbaye, Paris.—Patent mechanical process for lithographic colour printing.
- 193 FRIER EWRATE, of the Institution of Brothers of Christian Schools at Lille (Nord).—Dry and green herb mowing machine, invented by the exhibitor, and executed by Albert Dutreix, his pupil.
- 194 FASUILLE, J. M. Montségou (Haute Garonne).—Woolen jackets, knitted by the hand, for the working classes.
- 195 FAUGIER, —, 7 Rue Bourg l'Abbé, Paris.—Fine brushes for toilet.
- 196 LAURE, —, Rue du Faubourg St. Denis. Dépôt in London, 90 Hatton Garden.—Furniture of all descriptions.
- 197 FAYOLLE, L. T. 10 Galerie de Valois, Palais National, Paris.—Crosses for various French and foreign orders, made of gold silver, and imitation. Strass jewelry, embroidered ribbons, and masonic decorations of all sorts for freemasons.
- 198 FRAD-BUCHARD, V. A. Passy-les-Paris (Seine).—Woolens and cashmeres, dyed in various colours, for manufacturing cashmere shawls and fancy articles.
- 199 FELIX, A. Manufacturer, 40 Rue St. Honoré, Paris. Agents in London, M. M. Graetner & Hermann, 8 Huggins Lane, Wood St. Cheapside, London.—Fans of all descriptions. Jewellery, and French skins for fans.

200 FIBOUKLE & ROLLAND, Manufacturers, St. Quentin and Tarras. Depot, 8 Rue du Sentier, Paris.—Stoves and broché for furniture. Plain and figured muslins, tartanes. Fancy stuffs for dresses, &c.

201 FAQUET, LEMAÎTRE, Flax Spinner, Bolbec (Seine-Inférieure).—Flax threads, lawn threads warp and woof for power-loom weaving; tissue of cotton wasts.

202 FAUVELLS, DELEBARRE, Comb Makers, 10 Boulevard Bonne Nouvelle, Paris.—Tortoiseshell and buffalo-horn combs.

203 FAYOLLE, L. T. Cross Manufacturer, 100 Galerie Valois, Palais National, Paris.—Crosses, medals, and various insignia of civil and military orders and corps.

204 FEAU-BICHARD, V. A. Dyer, Passy-les-Paris (Seine).—Dyed Cashmere threads. Fine wool and Valencia textures.

205 FLAIBIERE BROTHERS, Carpet Manufacturers, Nines, (Gard)—Carpets of various kinds; short-rap carpets, &c.

206 FONTANA, Mrs. Painter's Brush Manufacturer, 41 Rue des Marais, Paris.—Various paint brushes.

207 FORTLE, LAMERS & Co. Manufacturers, Reims (Marne).—Stuffs for waistcoats, dresses, cloaks, and paletots.

207 FOURNIVAL, SON, ALZEMER & Co. Wool Spinners, 48 Rue de l'Echiquier, Paris.—Woolen threads for merinos. Chain wets. Coloured merino tissues.

208 FROMENT, CLOUES, Wooden Shoe Manufacturer, 15 Rue Neuve St. Méry, Paris.—Wooden shoes of different shapes.

209 FEYUUX, —, Manufacturer, 10 Rue Taramne, Paris.—Pastes, &c., nutritious meals, chocolates.

210 FRIEX, SON & Co. Tanners and Curriers, Toulouse, (Haute Garonne).—Various sorts of leathers, for saddle, harness, shoemakers, &c.

211 FIOLET, LOUIS, St. Omer (Pas-des-Calais)—Various sorts of clay pipes.

212 FIRMIN, DIDOT BROTHERS, Printers, Booksellers, and Paper Manufacturers, Paris.—Books and various publications. Bibliotheca Scriptorum Græcorum; trade directory, &c.

213 FLANKE, —, jun. 87 Rue St. Martin, Paris.—Elastic stockings for varicose veins.

214 FLEURY, J. F. Chemist, Teste de Buch, near Bordeaux (Gironde).—Purified marine turpentine. New principle for purifying raw turpentine, found in the wastes of Bordeaux. Patented. Exportation.

215 FLOREST, —, Gunsmith, 3 Rue Racine, Paris.—Guns, muskets, and pistols: patented.

216 FOUCHE, L. Manufacturer, Javel, near Paris (Seine).—Design, representing an apparatus made of stone and lead, for the production of sulphuric acid. Patented.

218 FROELY, A. 37 Rue Battant, Besançon (Doubs).—Various files made of French cast steel; some of which are cut by the hand, others by machinery.

219 FROMAGE, L. 5 Rue des Petits Baux, Darnetal (Seine-Inférieure).—Power-looms, improved by the exhibitor. For weaving Hogen and Scotch articles.

220 FROMONT, —, Working Engineer, Chartres (Eure and Loir).—Improved model of a Turbine made after Fontaine's system.

220 FOUCAULT, P. Blind, Aux Quinze Vingts, 28 Rue de Charenton, Paris.—Writing apparatus for the use of the blind. A new invention, adopted by the Institution for Blind Children, of Paris.

221 FOURNIVAL, ALZEMER & Co. Spinning-Mill Owners, Rethel (Ardennes), Manufacturer of Merinos at Soleres (Nord).—Spun brown wool. Dyed merinos.

222 GAUDCHAUX, P. jun. Cloth-Manufacturer, Nancy (Meurthe).—Fine woollen cloths, new patterns.

223 GRESSON, M. Wool-stuff Manufacturer, Rethel (Ardennes).—Pieces of merino fabric, unbleached and dyed.

224 GROT & BOUSOTRAN, Manufacturers, Reims (Marne).—Merino fabrics, unbleached and coloured.

225 GAILLARD, —, 210 Rue de Faubourg St. Denis, Paris.—Copper, iron, and brass-wire gauze, &c.

226 GAILLARD, —, La Ferté-Sous-Jouarre (Seine and Marne).—Various grinding-stones. Grinding-stones, in pieces, manufactured and dressed with rays. Squares of grinding-stones. The above are fitted for grinding all sorts of grain.

227 GAGNEAU BROTHERS, 25 Rue d'Engliten (Paris).—Lamps, bronze. Suspension mechanical lamps, for dining-rooms and other purposes.

228 GALINARD, N. A. 4 Rue Honoré Chevalier, Paris.—Designs for manufactures: Epistle-writers writing their epistles. St. Apoline. St. Laurent; made on window-glass, for decorating the choir of St. Laurent's Church in Paris.

229 GALLICHER & Co. Iron-works, Digny and Forge-neuve (Cher).—Best iron (called Barry iron); proper for agriculture, edge-tool making, ironmongery, machine and carriage building.

230 GANDELLOFF & Co. Rue Bellefond, Paris.—Bronze bedsteads. Hollow iron furniture, &c.

231 GANFRY, V. St. Nicolas d'Alliermont, near Evremont (Seine-Inférieure).—Astronomical clock.

232 GARACE, J. Roussingarde (Hersault), near Mantignac.—Written compositions, for educational purposes, leaving blank the tenses of verbs.

233 GARNAUD, jun. 9 Rue St. Germain des près, Paris, and Manufacturer at Choisy le Roi (Seine).—Ornaments made of white baked clay, for ornamenting the outside of buildings.

234 GAUTHIER, jun. 14 Rue de la Parchiminerie, Paris.—Typographic prints, with bearing-blocks, vignettes, &c., a new invention, patented in France and in foreign countries.

235 GAVARD, A. 9 Quai de l'Horloge, Paris.—Diagraphs and Pantographs, for reprinting maps and typographical charts, tables, and drawings of all descriptions.

236 GIDE & BAUDRY, Booksellers and Stationers, 5 Rue des Petits Augustins, Paris.—Volumes and various publications: Scientific Exploration of Algeria. Monument of Nineveh. Architecture from the fifth to the sixteenth century. Voyage in Persia. Voyage of Dumont D'Urville.

237 GILBERT, C. I. 63 Rue du Bac, Paris.—Painted and waterproof stores. Patented.

238 GILBERT & Co. Manufacturer at Givet (Ardennes). Depôts, 18 Rue Quincampoix, Paris; and 105 Regent Street, London.—Various pencils for drawing, architecture, offices, &c.

239 GIBOUD D'ARCOUT, F. Civil Engineer, 39 Rue du Commerce, Lyon (Rhône).—Machine, called dargoutine, employed for the preparation and drying of silk, woollen, and cotton goods.

240 GODARD & BOTTIERE, Manufacturers at Cambrai and Valenciennes (Nord); Bassemme (Pas de Calais); Verviers (Aisne); Clermont (Oise); 40 Rue de Clery, Paris.—Lawn and cambric.

241 GOUIN, A. Painter, 37 Rue Louis-le-Grand, Paris.—Coloured daguerotypes.

242 GOYON, J. B. 25 Rue Montholon, Paris.—Various chemical productions, for preserving furniture, pictures, &c.

243 GRANDJEAN, O. 8 Cité d'Antin, Paris.—Flowers made of spun glass. Patented in England.

244 GRANDJEAN, 43 Rue des Marais, St. Martin, Paris.—Design for manufacturing carpets.

245 GRAUX, J. L. Husbandman at the Fermé de Ham-champ, Commune de Juvincoart (Aisne).—Glazed and silk-like wool fleece, being a peculiar variety of merino sheep.

246 GRENAILLY, jun. Hotel du Sauvage, Gray (Haute-Saône).—Alimentary preserves (French cooking).

247 GRENET, L. F. Rouen (Seine-Inférieure).—Gins. Gelatine. Various sorts of gelatine and gelatine articles, &c.

248 GROS, OTTEL, ROMAN & Co. Manufactory at Wesseling (Haute-Rhin): Dépôt, 15 Boulevard Poissonnière, Paris; and **SALOMONS & SOHN, M. M. B.** 42 Old Change, London.—Calico and woollen goods.—Bleached and printed with cylinder.

249 GROSELIN, A. Geographer, 7 Rue du Battoir, St. André, Paris.—Celestial globe. Georamas and uranoramas, used also as lamp-shades. New sphere in the Copernican system. Terrestrial globe, with spherical covering, to represent the alternations of day and night.

250 GUBERT, —, 70 Rue du Temple, Paris.—Fancy papers. Stampings for boardings. Gold, silver, and coloured printing.

251 GUILLIEMOT BROTHERS, Manufacturers, Meulan (Seine and Oise), Dépôt 88 Rue Neuve des Mathurins, Paris.—Coach and livery lace.

252 GUINIER, T. 25 Rue Grenelle St. Honoré, Paris.—Water closets and coaks. New system, patented in France, in England, and in Belgium.

253 GUTOTIN, L. Belima, 14 and 97 Rue du Borg, St. Denis (Seine and Oise).—Blankets, of various qualities.

254 GUTNER & BROQUEST, 33 Rue du Sentier, Paris; houses at Valenciennes, Cambrai, and Nancy.—Printed and embroidered white cambric handkerchiefs.

255 HADNOT, —, jun. 37 Faubourg St. Martin, Paris; and 12 Castle St. Holborn; and 269 Regent St. London.—Patent moderator lamp, called *Aérot*.

256 HARTMANN & SOHN, Munster (Haute-Rhin): Dépôt at Lyons and 38 Rue du Sentier, Paris.—Spun cottons; white calicoes; cambric muslins; jaconet muslins; and printed woollen and cotton fabrics.

257 HARTMANN & Co. (Malmerspach, Haute-Rhin).—Fine raw and combed wool, and yarn for shawls and other articles.

258 HAYOT, JULIEN JOSEPH, Coachmaker, Caen (Calvados).—Four-wheeled carriage: patented. Constructed so as to be divided into two separate parts.

259 HEILBRUNN & Co. Strasbourg (Bas-Rhin).—Ornaments made of putty-stone, for decorating the inside and outside of buildings.

260 HELMBROWER, G. 129 Rue Montmartre, Paris.—Needlework, and canvass for ornamental work.

261 HESOR, —, 1 Rue St. Sauveur, Paris.—Screens and feather-brooms, of various colours, made of ostrich, peacock, and other feathers.

262 HENRI, J. Oculist-optician, 21 Passage Delorme, and 12 Rue de Rivoli, Paris.—Glasses for persons affected with squinting. Sight-preservers.

263 HEN, G. 6 Rue de la Veillère, Paris. Agent, —, Bread St. London.—Figured tissues in various styles.

264 HOER, J. B. Nîmes, (Gard).—New system of windows, blinds, and shutters. Patent for 15 years. An elegant and simple system, without machinery, springs, or gear.

265 HOSTIN, —, Flower-maker, Etel (Morbihan).—Flowers, leaves, and baskets made of shells.

266 HUARD BROTHERS, Versailles (Seine and Oise).—Nautical watch-works of various sorts.

267 HUBERT, V. Painter, 2 Rue du Grand Chantier, Paris.—Model in relief, representing the ruins of the old Baden Castle, in the Grand Duchy of Baden.

268 HUBERT, Madame JOSEPHINE, Mondeville, near Caen (Calvados); manufactory, 2 Rue du Grand Chantier, Paris.—Flowers, fruits, leaves, lace, and guipure, in relief, embossed, and raised.

269 HUZ, J. B. 76 Faubourg St. Martin's, Paris.—

Various locks. Machine for cutting and bending at the same time hooks and eyes, made and invented by the exhibitor; patented. Hooks and eyes cut by the said machine.

270 HURT, W. Rouen (Seine-Inférieure), and 12 and 14 Rue du Cimetière, St. Nicholas, Paris.—India-rubber articles, braces, and twists.

271 JACQUEM, —, China-painter, 43 Rue du Faubourg, St. Denis, Paris.—One dozen painted plates, in porcelain of Sevres. Two large paintings on porcelain, flowers and fruits, exhibited by the Sevres National Manufactory.

272 JACQUEMART BROTHERS, Charleville (Ardenne).—Fire-arms. Patent articles of ironmongery, and hardware.

273 JAILLON, MOINIER, & Co. La Villette, near Paris (Seine).—Stearic acids. Stearine candles. Soaps. Patented in France and England.

274 JAPUIS & SOH, Claye, near Paris (Seine and Marne).—Printed calicoes. Prints, articles for furniture; and muslins for dresses.

275 JAPT BROTHERS, Beaumont (Haute-Rhin), and 108 Rue du Temple, Paris.—Watch-making: clock and watch works. Ironmongery, &c.

276 JOLLY, F. Mer (Loire and Cher).—Purified oil, for watchmakers, machinery, and fire-arms.

277 JOLY, —, Esternay (Marne); dépôt, 24 Rue du Faubourg St. Denis, and at Mr. Lesallier's, Paris.—Two large vases in porcelain, all in one piece, ornamented.

278 JUHEL-DESMARES, J. Manufacturer, Vire (Calvados).—Cloth of various fabrics and colours: twilled beaver, double-milled and plain cloth, satin.

279 JULIEN, Miss MARGUERITE, Lace-maker, au Puy (Haute Loire).—Blondes. Lace. Velvet-silk. Alençon silk. Florence shawl, collar, lappets, and veils.

280 KELLER, —, Hydrographic Engineer, 40 Rue du Bac, Paris.—Double planisphere for navigating on the great circle system.

281 KURSTEIN, F. Chisler, Strasbourg (Bas-Rhin).—Silver alto-relievos, representing groupes of animals and hunting parties.

282 KNECHT, EMILE, Wood-carver, 45 Rue de Babylone, Paris.—Holy-water basin, carved in pear-tree wood, of a single piece. Oval frame, with the flowers and ribbons carved in oak wood, gilt by Picarel.

283 LACROIX & SOH, Engine-workers, Rouen (Seine-Inférieure), and 23 and 27, Boulevard St. Hilaire.—Patent lithographic machine. Filling machine, for cloths. Patented.

284 LAFAYE, P. 9 Rue de l'Empereur (Barrière Blanche), Paris.—Painted window-glass. The subjects chiefly composed by the exhibitor.

285 LAHURE, —, Havre (Seine-Inférieure).—Noncap-sizable yawl.

286 LAINE, LABOICHE, & MAX, R. Angers, Maine, and Loire.—Raw Angers hemp; combed hemp for power-looms; hemp yarns, for canvass warp and web; and sail canvass made of hemp, woven without sizing, for the navy of France.

287 LANEVILLE, V. 17 Rue St. Croix, de la Bretagne, Paris.—Machine for making seamless purses; machine for making watch-ribbons. Patented.

288 LANG, L. Schlestadt (Bas-Rhin).—Various specimens of wire gauze, for machine-made paper manufactory.

289 LANGLOIS & LECLERCQ, Booksellers, 81 Rue de la Harpe, Paris.—Various scientific and literary illustrated works.

290 LARIVIERE, C. Agent of the Slate Works, Angers (Maine and Loire).—Angers slate, the produce of eight quarries belonging to the Company.

291 LAROCHE, E. 10 Rue des Jeuneurs, Paris.—Manufacture designs, for printing on tissues, made use of by various houses in France and abroad.

292 LAUMAIN, C. Watchmaker, 15 Rue de la Truanderie, Paris.—Pocket chronometers.

293 LAUREAN, L. 12 Rue St. Gilles (au Marais), Paris.—Five figures made of a galvanized compound metal of bronze and pewter, representing the Republic, Europe, Asia, Africa, and America.

294 LAURENT, GSELL, & Co. Glass-painters, 43 Rue St. Sebastian, Paris.—Two armorial bearings, in the style of the 17th century. Two painted windows. One panel, style of the 16th century. Six panes of glass, with medallions, for ornamenting apartments.

295 LAUTZ, L. Ivory-carver, 40 Rue de Montmorency, Paris.—Ivory vase, representing the battle of the Franks against the Saxons, gained by Charlemagne.

296 LAYDET, SON, & Co. Niort (Deux Sevres), and 37 Rue Grenelle, St. Honoré, Paris. Agents—M.M. Graetzer & Hermann, 3 Huggins Lane, Wood St. London.—Chamois leather; buckskin gloves; beaver and chamois gloves.

297 LEBLANC, A. Miller, Mourroux, near Coulommieres (Seine and Marne).—Wheat-flour, first quality, for making bread.

297^a LEBLOWD, J. D. Carver, 5 Rue St. Louis (au Marais), Paris.—Patent India-rubber male and female figures for artists.

298 LEBREUX, A. Optician, 3 Rue Chepeu, Paris. Agent—Mr. Salomon, 23 Red Lion Sq. London.—Spectacles, telescopes, and optical-glasses.

299 LEBLANC, H. Engine-worker, 105 Quai Valmy, Paris.—Hydraulic machines of different sorts. Pumps, jets, fountains, &c. Patented.

300 LECOENTRE, —, Marine Officer, 52 Rue St. George, Paris.—Sounding-lead, nautical apparatus for soundings, adapted for the ships of the French fleet.

301 LEFRANCOIS, —, 303 Rue St. Denis, and 7 Passage Beaufour, Paris.—Sliding and other boxes for lucifer-matches. Patented.

302 LEBREY, —, Chemist, 78 Rue St. Lazare, Paris.—Medicamental envelopes, or Eichen capsules (patented in France and England), for concealing the taste of medicines.

303 LEMOIZ, A. E. 42 Passage Jouffroy, Paris.—Galvanic battery, constructed in the workshops of M. Loyseau, optician, Paris. Patented in France and England.

304 LEMONNIER, —, Jeweller, 6 Place Vendôme, Paris.—Set of jewels belonging to Her Majesty the Queen of Spain.

305 LEON, —, Chemist, 7 Rue de Crussol, Paris.—Varnishes for bookbinding, pocket-books, &c.

306 LEON, C. & BOURGEOIS, Mores (Jura).—Watch-making, called *de comte*. Clocks, watches, regulators, &c. Kitchen jacks. Exportation.

307 LEFERDRIEL, —, Chemist and Druggist, 28 Rue des Martyres, Paris.—Pharmaceutical articles. Elastic stockings, &c.

308 LEROUX, —, Vitry le François (Marne).—Bark of willow-tree. Salicine, its active principle.

309 LEROUX, —, Clockmaker, Cancale (Ille and Vilaine).—Clock with a new arrangement of striking mechanism.

310 LEXOT, P. N. 18 Rue des Fossés St. Victor, Paris.—Coloured proofs, engraved copper-plates, and lithographs. Various drawings, originals or copies.

311 LESPINAZE, —, 34 Quai de Billy, Paris.—Model of oven for bread-baking. New patented system.

312 EETHULLIER, P. Sotteville les Rouen (Seine-Inférieure).—New safety apparatus for steam-bollers and locomotive engines, patented. Steam-whistle, gauges, steam-gauges, &c.

313 LEUFENBACH, M. Manufactory, Rouen (Seine-Inférieure); dépôt, Rue de la Fidélité, Paris.—Braces and trimmings for tailors, &c. for ladies' dresses.

314 LORTHION, D. Tourcoing (Nord).—Carded wool yarn, for textures of three different qualities.

315 LOUIS, BLAIS, SON, LETELLIER, & Co. Havre (Seine-Inférieure).—Various ropes for the navy, patented. Shrouds, foot-ropes, rigging, &c.

316 LOUET BROTHERS & Co. Bordeaux (Gironde).—Chocolate and mustards, manufactured by steam.

317 MAIRE & Co. Chemical Manufacturers, Strasbourg (Bas-Rhin).—Acetate of lead, soda, lime, copper, acetate acid; white-lead, purified alcohol, vinegar. Patented.

318 MAITRE, A. Bookseller and Bookbinder, Dijon Côte d'Or.—Books, bound. Bound drawing-albums. Pocket-books of various forms, and for various purposes.

319 MALAFERT, —, Chemist, Poitiers (Vienne).—Sulphate of magnesia and sulphate of soda, obtained by new manufacturing processes.

320 MALE, DICKSON, & Co. Coudekerke Branche, near Dunkerque (Nord).—Flax-spinning mills, and manufacture of canvas for sails. Sail-cloth for merchant vessels and men-of-war.

321 MAME & Co. Booksellers, Printers, and Bookbinders, Tours (Indre and Loire).—Various illustrated works, bound or half-bound.

322 MALINON, —, Proprietor and Manager of the Agricultural School of La Charmoise, Pont Leroy (Loire and Cher).—Combed wool, the produce of sheep reared at La Charmoise.

323 MARTIN, W. Engine-maker, St. Pierre les Calais (Pas de Calais).—Jacquard machine for bobbin-net lace frame and weaving-looms. Patented in France and in England.

324 MONTGOLFIER, —, Paper-maker, Annonay (Ardèche); dépôt, 18 Rue de Seine, St. Germain, Paris.—Various sorts of paper and card-paper. Peculiar "natural vegetable paste copying-paper," and "animal parchment." The latter article is employed to make cartridges for the French navy.

325 MORRAU, U. 3 Rue Drouot (Grande Botallière).—Lamp-oil. Essence for varnish. Oil for machinery. Grease. Soaps and pastes, from the bituminous mines of Schabwiller (Bas-Rhin).

326 MORRAU, F. 88 Rue de la Glacière (Banlieue de Paris).—Newly-invented patent fuel, called French coals.

327 MORGANT, E. Painter, Guines (Pas de Calais).—Waterproof transparent canvas (new process).

328 MORICEAUX & CAYEUX, Engine-workers, Moüy (Oise).—Pendulum-regulator, for hydraulic movers, from one to a hundred-horse power. New invention, patented, suitable for all kinds of sluices.

329 MARECHAL & GUYON, Glass-Painters, Metz (Moselle).—Painted window-glasses:—1 St. Charles administering the communion to the plague-stricken. 2 A burgo-master. 3 A rose of the thirteenth century.

330 MARECHAL, J. Engine-worker, 82 Rue du Faubourg, St. Martin, Paris.—Machines for mincing and mixing meats, soups, pastes, and vegetables. Patented.

331 MARREL BROTHERS, Silversmiths and Jewellers, 27 Rue Choiseul, Paris.—Large gilt and oxidised vase. Dressing-case, cups, hunting-knives, dagger, and other gold and silver articles.

332 MARSAUX, —, & LEGRAND, P. 14 Rue de la Perle, Paris; and 27 Castle St. Holborn, London.—Articles of stamped copper, for decoration.

333 MASSING BROTHERS, Manufactories at Luttelange (Moselle), Lyons, and Tarare (Rhône). Agents: Huber & Co. 2 Rue de Braque, Paris.—Silk plush, made use of by hat-makers.

334 MEY, SON, JULIEN, BERNARD, & Co. Paper-manufacturers, Prousal, near Amiens (Somme).—Various sorts of papers, and endless rollers; for envelopes, pamphlet-covers, &c.

- 335 OLIVIER, V.** Deville les Rouen (Seine-Inférieure).—Pistad wood, for texture-printing and engraving.
- 336 OFFICER & CHAKELLE, late GAUGELIN,** 85 Rue Richelieu, Paris.—Ready-made articles for ladies:—Rich Lyons silk embroidered fabrics, shawl, &c.
- 337 PAGER, J. A.** Clock-maker, Beziers, (Herauld).—New "spring-box" watch.
- 338 PAILLART BROTHERS, Tanners' Carriers,** 17 Rue du Grand St. Michel, Paris.—Calf and sheep skins for leather manufactures. For wool and cotton cards. Straps, &c.
- 339 PAVOINE & CHATEL,** Card Engineer, Rouen (Seine-Inférieure).—Patent card-making machine, and cards of various sorts, in leather and felt cloth.
- 340 PARADIS, DE BODLE, & Co.** 6 Faubourg Poissonniere, Paris; and **MM. DEVAUX & Co.** 62 King William St. London.—Waterproof coating painting. Process of Boudle, chemist. Patented in France and England.
- 341 PARDOUX, —,** Engineer, Bandon Fuy de Dôme).—Ploughs, with fore-carriage and fixed mould-boards; and ploughs with movable mould-board. New inventions, patented.
- 342 PAUVILL, A.** 179 Faubourg Poissonniere, Paris.—Regulator and moderator; machines for regulating retort gas. Fireproof for gas-works. Patented in France, England, and other countries.
- 343 PERROT,** Chocolate-manufacturer, 14 Rue Vivienne, Paris.—Various sorts of decorated chocolate.
- 344 PÉCHELOCHER, V.** Clockmaker, Epernay (Marne).—Clocks, watches, and various clock-works, with new movements.
- 345 PETIT, SON, & Co.** Nantes (Loire-Inférieure).—Mill-stones, suitable for wheat.
- 346 PÉYRON, —,** Sieve-frame Manufacturer, Quimper (Finistère).—Various sorts of wool employed for manufacturing sieve and screen hoops; made by machinery.
- 347 PICARD, E.** Designer, 3 Rue de Lemétre, Rouen (Seine-Inférieure).—Designs for woollen, cotton and other printing; white-ground design, chints fashion, with portrait of Queen Victoria.
- 348 PICAULT, G. F.** Cutler, 46 Rue Dauphine, Paris.—Oyster opener, saw-knife, shear-knife, and various articles of cutlery. Patented.
- 349 PICROT, A.,** 20 Place d'Armes, Poitiers (Vienne).—Imitation of marquetry, and inlaid work on thick or thin ivory.
- 350 Pierrot, —,** Clockmaker, 21 Rue des Bons Enfants, Paris.—Globe-clock, on Copernican system. New alarm-clocks and watches.
- 351. PILLANT, Mrs. and Co.,** 3 Rue Vivienne, Paris.—Elastic and orthopedic dress, belt, and stays.
- 352 RENOUARD, JULES, & Co.,** Booksellers, 6 Rue de Tournon, Paris.—Various publications on history, science, fine arts, &c.
- 353 REYNIER, Cousins,** Silk Manufacturers, Lyon (Rhône), and 19 Rue Puits Gaillon.—Neck-handkerchiefs, shawls, scarfs, dresses, and parasols.
- 354 RICHIER, F.** Agriculturist and Feeder, Golevir (Calvados).—Two species of rams of a pure breed, two years old.
- 355 RIMS, M. Dieux (Meurthe).**—Gelatine and isinglass for preparation of texture, silk stuffs, clearing of wines, &c.
- 356 ROBAUT, F.** Lithographic Printer, 45 Rue de Belking, Douai (Nord).—Plan of the town of Douai; map of the district of Valenciennes; map of the Departments of "Nord and Pas de Calais" annexed.
- 357 ROHNER, A.** Clockmaker, Sancerre (Cher).—New repeating arrangements for watches and clocks. Patented.
- 358 ROYON, J. L.** 51 Quai Vahny, Euville des Lilles, Paris.—Prepared emery; colours ground by new mechanical process; tripoli, &c.
- 359 ROULET, GILLY, & CHAPOWNIERE** (Marseille Bouche Rhône).—Palm-oil soap, for bleaching cloths, dyeing silk, &c.
- 360 ROUSSEAU, L.** 12 Rue des Cinq Diamants, Paris.—Preserved fruits.
- 361 ROUSSELL, C.** Typographic Carver, Besançon (Doubs).—Music composed with movable types and matrices of the types.
- 362 ROUXEL, F.** Agriculturist, St. Brieune (Côtes du Nord).—Prepared flax, employed in hand and power looms.
- 363 ROZE, L.** Starch-makers, Cambrai (Nord).—Various sorts of starch.
- 364 SAGET, V.** Lamp-maker, 17 Rue Sainte Elisabeth, Paris.—Lighthouse for the navy, with parabolical reflector; lantern for hydraulic crane, and other lighting apparatus.
- 365 DE SANDOVAL & Co,** Chocolate Manufacturers, Tarbes (Hautes Pyrenées).—Specimens of chocolate.
- 366 SANSON, E.** Tick-manufacturer, Evreux (Eure).—Ticking for stays, feather-beds, and furniture.
- 367 SAUDRAUX, J. V.** Manufacturer, 21 Rue du Faubourg du Temple, Paris.—Patent carved black-wood billiard table in buhl.
- 368 SAVARY & MOSHACH,** Jewellers, 2 Rue Vaucanson, Paris.—Imitations of diamonds, precious stones, and pearls.
- 369 SCHEURER, E.** Cotton Printers, Rhann (Haut Rhin).—Printed calicoes of various colours.
- 370 SCHNAUTZ, C. sen.** 19 Rue du Cherche-midi, Paris.—Rollers, frames, and straps for lithographic press.
- 371 SCHROEDERBERGER, —,** Music Editor, 28 Boulevard Poissonniere, Paris.—Index of the concerts of the National Conservatory of Music; classical catalogue for pianists and actors.
- 372 SBOUY, —,** Engineer, Thessa (Herauld).—Wheel-plough.
- 373 SENECHAL, —,** Engineer, Belleville Pres, and 14 Rue des Solitaires.—Hemming machine, suitable to the sewing of coarse linen cloths. Machine for cutting gloves, made of skin or other materials. Patented.
- 374 SILBERMANN, G.** Printer, Strasbourg (Bas-Rhin).—Letter-press of all descriptions, executed by a new process. Invented by the exhibitor.
- 375 SIMONET, Mlle. VIRGINIE,** 161 Rue St. Jacques, Paris.—Copy, on porcelain, of Mr. Ingre's portrait of L. Cherubini.
- 376 BOUVILLER MINES JOINT STOCK COMPANY, Mr. SCHATZEMAN, Manager, Bouvillier (Bas-Rhin).**—Purified and common alum; sulphate of iron; Prussiate of potash; Prussian blue; gold size, &c.
- 377 JOINT STOCK COMPANY OF THE PAPER MILLS OF BOUCHE (Vosges), Mr. MAURAN, Agent,** 5 Rue du Pont de Lodi, Paris.—Various sorts of writing, painting, hanging, analysing, and flower papers; imitation of Indian paper.
- 378 SLATE WORKS OF RIMOGE (Ardennes) JOINT STOCK COMPANY, A. MOREAU, Agent.**—Various samples of slates of Rimogne; grey slates of Deville (Meuse).
- 379 OUBRECAF SOCIETY (Oise), FÉLIX DELACOUR, Manager,** 14 Boulevard Poissonniere, Paris.—Cotton spinning; weaving of thick calicoes (called *Crotomes* and *Madopolans*).
- 380 SCHOENEZ BROTHERS,** Varnish Manufacturers, 17 Rue des Vinaigriers, Paris.—Various sorts of varnish, for leathers, wood, and metals, for oil and water-colour paintings. Natural flowers preserved by a chemical process.
- 381 SOUS & SON, Dyers, Esquermes-les-Lille (Nord).**—Linen twists dyed and setined; cotton twists dyed and glazed, called Scottish and Irish linen. Patented.
- 382 STEINACK, J. J.** Petit Quevilly, near Rouen (Seine-Inférieure).—Starch fecula and gums, made use of in the manufacture of printed calicoes.
- 383 STEINER, C.** Manufacturers, Ribeauville (Haut-Rhin).—Plain red dye; printings on Andrinople red.

384 STURN, P. H. 28 Rue de l'ancienne Comedie, Paris.—Eight paintings on enamel.

385 TAILBOUR, E. Hosiery Manufacturer, 15 Rue des Mauvaises paroles, Paris.—Silk gloves, scarfs, shawls, stockings, and other new and fancy articles. Patented.

386 TAILLER, J. B. and Co. Engine Builders, 4 Rue Notre Dame de Grace, Paris.—Dynamometric apparatus, invented by Mr. Taurines, of Paris. Patented.

387 TAILLANDIER, E. Lk. Manufacturer of Tiek, Evreux (Eure).—Various sorts of tick for bedding and stays.

388 TAMBOUR, L. Glove-maker, 49 Rue Neuve St. Augustin, Paris.—Gloves cut by a new method.

389 TELLIER, —, Ivory Carver, 123 Grande Rue, Dieppe (Seine-Inférieure).—Various articles made of carved ivory; a ship, a poor man, &c.

390 THOMAS, C. X. 13 Rue du Helder, Paris.—A calculating machine. Invented by the exhibitor, and patented in France and Great Britain.

391 THIERRY, C. A. Boot-maker, 301 Rue St. Honore, Paris, and 278 Regent Street, London.—Revolving-heeled boots. Invented by Mr. Walker, of Birmingham, and patented in France and England.

392 TOUCHARD, P. & Co. Iron Workers, Nantes (Loire-Inférieure).—Machine used to grind oak bark.

393 TRANCAET, A. A. 12 Rue Neuve St. Denis, Paris.—Tortoiseshell combs.

394 TREMAUX, P. Architect, Charoery, near Bourgneuf (Seine and Loire).—Patent improved harmonium.

395 DU TREMBLAY, A. 3 Rue de Milan, Paris.—Specimens of drawings reproduced, by means of lithography, upon porcelain or crystal. Patented.

396 TRICOT BROTHERS, Texture Manufacturers, 25 Rue Stanislas, Girardin (Seine-Inférieure), Rouen.—Hand-loom fabric of cotton, wool, thread, or silk.

397 TUDOR, —, Designer, Moulins (Allier).—Specimens of lithography.

398 TOLOU, —, Flute-maker, 27 Rue des Martyrs, Paris.—Improved flute. New disposition of the keys.

399 AOKLIN, Machine-maker, 36 Rue Bourbon Ville-neuve, Paris.—Jacquard loom, with an apparatus for the substitution of the paper or pasteboard (patented in France and England); with a diagram representing the details of the apparatus.

400 ALMNET, Son, Blanket-manufacturer, 19 Rue de la Vieille Estrapade, Paris.—Woolen, merino, and cotton blankets and counterpanes of every kind.

401 ARCHAUBAULT, A. Carver and Frame Maker, 124 Rue St. Lazare, Paris.—Mouldings. Frames of various kinds, fluted and plated.

402 ARAYON, H. Soap Boiler, Marseille (Bouches du Rhône).—Various samples of soap for exportation.

403 AURET & NOEL, 265 Rue St. Honoré, Paris.—Fruit brandies; peaches, raspberries, apricots, strawberries.

404 AUCHER, —, Piano Maker, 44 Rue de Bondy, Paris.—Two upright pianos, the one with oblique strings and fixed finger-board, the other with vertical strings and moveable finger-board.

405 AUVILLER, E. F. 53 Rue du Fanbourg Poissonnière, Paris.—The model of a roof covered with improved tiles.

406 BAILLIÈRE, J. B. Bookseller, 19 Rue Hautefeuille, Paris.—Twelve volumes on medical science and natural philosophy.

407 BAILLY, COMTE, & SON, Mores du Jura (Jura).—A travelling-clock, striking the quarters, and going for thirty hours.

408 BALLY, P. Watch and Clockmaker, 25 Rue Notre Dame de Nazareth, Paris. Clocks of various sizes and descriptions. Watch and clock works.

409 BAPTEROSES, J. F. China Manufacturer, 27 Rue de la Muette, Paris.—Porcelain handles of every kind.

410 BARRAL, C. Silk Throwster, Ganges (Hérault).—Samples of raw and thrown silk, white and yellow.

411 BAZER, —, 11 Rue Constantine, Paris.—Stands for watch and clock works.

412 BATAILLER, A. P. E. au Chateau du Portail, près Montargis (Loiret).—Agricultural implements.

413 BAUMEY, V. Paper Manufacturer, Lille (Nord).—A machine for ruling paper. Account-books for commercial purposes.

414 BAYARD, H. 81 Rue de la Paix, Batignolles (Seine).—Photographic drawings, in frames.

415 BAYREY BROTHERS & Co. Choisy le Roi, dépôt in Paris, 16 Rue Mamecassel.—Leather and morocco leather.

416 BAZIN, A. au Masnil St. Firmin (Oise).—A draining plough.

417 BEZALLETTE BROTHERS, Boulogne-sur-Mer (Pas de Calais).—A four-wheeled hunting carriage.

418 BEZNER, F. St. Etienne (Rhône).—Fancy fowling-pieces of various kinds.

419 BHOON BROTHERS, Bordeaux, 6 Impasse des Argentin.—Vermicelli, macaroni, starch, and flour of farinaceous vegetables, &c.

420 BERNARD, —, Machine Maker, 34 Rue Constantine, Paris.—A filtering machine.

421 BERNARDEL, sen. 21 and 23 Rue Croix des Petits Champs.—Violins, violoncelli, alton, fiddle-sticks, and strings for musical instruments.

422 BERTHELOT, N. Croyes (Aube).—Two circular looms for the weaving of beery, and specimens of work.

423 BESCHER, F. 2 Rue Guénéguand, Paris.—Musical composing-stick, an apparatus for the demonstration of musical theories. Patented.

424 BESNOT, G. A. Manufacturer of Musical Instruments, 7 Rue des 3 Couronnes, Paris.—Cornet-à-piston, in brass and silver, ophicleide, &c.

425 BEZAUZ, J. & Co. Machine Makers, 18 Rue des Vinaigriers, Paris.—Hydro extractor.

426 BODIN, J. Rennes (Ile and Vilaine).—Four ploughs and one harrow.

427 DE BOSSINON, C. Earthenware Manufacturer, Langeais (Indre and Loire).—Ornamental vases. Stoneware articles. Fire bricks.

428 BOLAND, A. 53 Rue St. Louis, Paris.—A mechanical kneader, adapted to mixing and washing.

429 BONNAL, V. & Co. Silk Throwster, à Montauban (Tarn and Garonne).—Raw silk, white and yellow. Pieces of unbleached silk for bolting flour.

430 BOUTZAN, —, Manufacturer of Mechanical Objects of Decoration, 80 Rue de Cléry, Paris.—A bronze clock, surmounted with mechanical birds. Group of mechanical birds.

431 BOUCHON, L. A. 16 Place de la Madeline à Paris.—A hand-mill, with its bolting apparatus.

432 BOUDON, DE ST. AMANS, China Manufacturer, Lamarque, near Agen (Lot and Garonne).—Specimens of a new process of enamelling china, &c.

433 BOULONNOIS, Manufacture of Bronze and Objects of Art, 45 Rue St. Sebastien, Paris.—Bronzes of various patterns, &c.

434 BOUROGNY, J. Manufacturer, 2 Rue d'Arcole, Paris.—A series of microscopic preparations.

435 BRAQUERIE & Co. Carpet Manufacturers, 16 Rue Vivienne, Paris.—Carpets, door tapestry, screens, and table-covers, patented.

436 BRETON BROTHERS & Co. Pont de Claix, Près Grenoble (Isere).—Two bundles of paper, with drawings.

437 BRICAUD & GAUTHIER, Hardware Manufacturers, Wolincourt (Seine), and 3 Rue Pavée St. Sauveur, Paris.—Various articles of locksmiths' work and rollers for spinning.

- 436 BRICKE, A. Arsenic Manufacturer, 24 Boulevard, Beaumarchais, Paris.—Arsenic acid; Scheele's green, &c.
- 439 BRIET, J. C. 23 Rue Neuve, St. Jean, Paris.—Various apparatus, with a vessel for gaseous liquids.
- 440 BRUNET, E. Machine Maker, 13 Rue des Martyrs, Paris.—Iron lithographic press.
- 441 BROCOZ, A. Bronze-Manufacturer, 18 Rue Charlot, Paris.—Ornamental clocks, medallions, and various objects in bronze, marble, &c.
- 442 BUFFET, jun. Manufacturer of Musical Instruments, 4 Rue du Bouloi, Paris.—Clarinets, on a new plan; flutes, oboes, and bassoons, for military bands.
- 443 BUNOY, —, Rue des Trois Pavillons, Paris.—Optical and mathematical instruments.
- 444 CAFFORT, J. Marble Cutter, Carcassonne (Aude), and at Rue Neuve, St. Jean, Paris.—Samples of marble from Languedoc.
- 445 CARRE, L. Bronze Manufacturer, 43 Rue Beaubourg, Paris.—Bronze, miniature, and daguerrotype frames.
- 446 CASAL, R. M. Manufacturer, 27 Boulevard des Itiens, Paris.—Canes, umbrellas, parasols, &c. (Casal's system). Patented.
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- 448 CHAPOT & SELON, Hyppolite, au Vigan (Gard).—Lithographic stones, from the quarries of Vigan.
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- 454 CLAVI, G. 53 Rue Montmartre, Paris.—Wood and silver flutes.
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- 458 COLLETTA, L. 9 Rue Mandar, Paris.—Snuff-boxes, purses, needle-cases, &c.
- 459 COMARA, —, Violin-string Manufacturer, 6 Rue Grenetat, Paris.—Harmonic strings in silk and cat-gut for violins.
- 460 CORDIER, C. Sculptor, 5 Rue Carnot, Paris.—Best in bronze, a negro from Timbuctoo on a column.
- 461 CORNIGUEN, C. Vanne, Morbihan.—Various kinds of leather.
- 462 COURNERIE & Co., Manufacturers of Chemical Produce, Cherbourg (Manche).—Iodide of potassium, sublimed iodine, chloride of potassium, sulphate of potash, &c.
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- 474 DESFONTAINES & SORE, 13 and 15 Galerie Montpensier, Palais Royal, Paris.—Watch and clock-work.
- 475 DETER & Co. (Piano Workmen Society), 162 Rue du Faubourg, St. Denis, Paris.—An upright piano, with semi-oblique strings. An upright piano with vertical strings.
- 476 DEYREUX, —, Liencourt (Oise), and at 7 Rue Garnière, Paris.—Crucibles for the melting of metals, and chemical utensils.
- 477 DOMERTY, L. J. Musical Instrument Manufacturer, 101 Faubourg, St. Denis, Paris.—Harps; upright pianos.
- 478 DOWNHAUD & Co. Wax Candle Manufacturers, 190 Quai de Jemmapes, Paris.—Stearic acid; oleic acid; light-house candles.
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- 481 DURU, —, 58 aimés route de Caen, à Rouen (Seine-Inférieure).—Four cylinders for grinding emery.
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- 483 DUFOUR, L. Manufacturer, Boulevard Beaumarchais, Paris.—Machine-made gilt, silvered, and fancy paper. Burnishing stones and plates for every species of gilding.
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- 487 DUMERY, —, 45 Rue des Petits Ecuriel, Paris.—A machine employed in the manufacture of shoes, &c. Plates for engraving music.
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- 500 ESTIVANT BROTHERS, Manufacturers of Brass Wire, Flohimont, Canton de Givet (Ardennes).—Brass plates. Brass pans. Brass wire. Sheets of gine. Tanned leather.
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- 503 FELIX, J. Manufacturer, 64 Rue Rambuteau, Paris.—Flat purses; cigar, blotting, and surgical-instrument cases, and embroidery, mounted in velvet and morocco.
- 504 FERON, J. E. 29 Rue de Clichy, Paris.—Bannisters, with "incrustated" handrails.
- 505 FEY, A. Agriculturist, La Teste, near Bourdeaux (Gironde).—Samples of raw and shelled rice.
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- 514 GAILLARD, —, jun. Manufacturer of Metallic Cloth, 210 Faubourg St. Denis, Paris.—Various samples of metallic-cloth.
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599 MALLET BROTHERS, Net Manufacturers, Calais (Pas de Calais).—Net-work, imitation of Valenciennes.

600 MAME, A. & Co. Printers and Booksellers, Tours (Indre and Loire).—One hundred and five bound or half-bound volumes.

601 MANTANDON BROTHERS, Paris (Seine).—Springs for watch-work, lamps, and musical instruments; and various other springs.

602 MANTON, Mlle. Rue du Pot de Fer, Paris.—Anatomical picture.

- 603 MAQUET, H. Manufacturer, Bethel (Ardennes).—Pieces of unbleached and dyed merinos, common description.
- 604 MAQUET, A. Manufacturer, Bethel (Ardennes).—Pieces of unbleached and dyed merino fabrics.
- 605 MARCELLI, S. Manufacturer, Bethenville (Marne).—Unbleached and dyed merino fabrics, of fine and strong descriptions.
- 606 MARCELIN, —, 40 Rue Basse du Rampart, Paris.—Mosaic table, carved; work-table; bookcase; Mosaic flooring; Mosaic backgammon board; vase, mounted with sphere.
- 607 MARCHAND, J. B. Bronze Manufacturer, 57 Rue Richelieu, Paris.—Gilt bronze candelabras and pendulums, with marble pedestals.
- 608 MARGA, E. 5 Boulevard des Filles du Calvaire, Paris.—Three chimney pieces carved in white marble.
- 609 MARION, A. Stationer, 14 Cité Bergère, Paris.—Fine and fancy papers. Machine for folding envelopes.
- 610 MARTIN, F. 6 Rue du Pot de Fer, Paris.—Three frames with daguerreotypes.
- 611 MARTI, S. 9 Rue d'Orleans, Marais, Paris.—Various kinds of clock machinery.
- 612 MARTIN & CASIMIR, Plush Manufacturers, Terrare (Rhône), and Metz (Moselle). Dépôts in Lyons and Paris.—Silk plush for gentlemen's hats.
- 613 MARTIN, C. A. Trimming Maker, 18 Rue Mancon-sell, Paris.—Lace, silk buttons, velvet trimmings, &c.
- 614 MARTIN, O. & VEYR, BROTHERS, Manufacturers, Sommevoire (Haute Marne), and at 74 Quai de la Mégisserie, Paris.—Internal and external cast-iron house ornaments.
- 615 MASSU, L. J. Comb Maker, 3 Rue Annuaire, Paris.—Ivory combs of every description.
- 616 MATAGRIE, S. & Co. Manufacturers, Tarara (Rhône). Dépôt, 13 Rue de Cléry, Paris.—White and coloured tartanes. Various muslins. For exportation.
- 617 MATHIEU, W. D. Buckle Manufacturer, Bethel (Ardennes).—Samples of iron and steel buckles.
- 618 MATHIEU, L. 28 Rue de l'Ancienne Comédie, Paris.—Various surgical instruments. Fire-arms.
- 619 MAURAN, —, & TOURNER, VINCENT, Managers of the Joint Stock Paper Mill Company of Souche (Vosges). Dépôt, 5 Rue du Pont de Lodi, Paris.—Papers of various kinds and sizes. Imitation of China paper.
- 620 MAUCOMBLE, —, 26 Rue de Grammont, Paris.—Five coloured daguerreotype portraits.
- 621 MAUREL, J. & Co. 43 Avenue de l'Observatoire, Paris.—Calculating-machines. Patented in England.
- 622 MAYER BROTHERS, 43 Rue Vivienne, Paris.—Camera obscura for daguerreotypes, frame with specimens.
- 623 MAYER BROTHERS, 41 Rue Vivienne, Paris.—A complete daguerreotype apparatus. A single camera-obscure on a new principle.
- 624 MAYER, Madame J. Fancy Paper Manufacturer, 22 Rue de la Vieille Monnaie, Paris.—Fancy papers, specimens of engraving and lithography, fans, pasteboard, and sweet-meat envelopes.
- 625 MAYE, SON, & Co. 23 Rue de Sentier, Paris.—Designs for printing shawls, furniture, silk handkerchiefs, and dresses.
- 626 MAZART, J. G. 83 Passage du Havre, Paris.—An imitation of polished steel and oxidized silver. Patented, as a substitute for gilding.
- 627 MEHU, J. M. F. Engineer of the Mines of Anzin, Nord.—Apparatus (patented in France, England, and Belgium), for the extraction of ores, the free and safe ingress and egress of miners in and from the mines.
- 628 MEHU, J. F. Engineer of the Anzin Mines, Nord.—Apparatus to supersede the use of ropes in the extraction of the ore, with six waggons. The apparatus is constructed on the scale of one fifth of its natural size.
- 629 MELLER & FROMOT, Poitiers (Vienna).—Paper precluding the possibility of forgery. Postage stamps of different impressions.
- 630 MERRI, P. J. 7 Faubourg du Temple, Paris.—Bronzes: boar hunting, stag hunting, mare and foal.
- 631 MERRAUX, J. H. 7 Rue de la Jussienne, Paris.—Designs for lace manufacturers and fancy net.
- 632 MESSIER, A. & Co. Louvers (Eure), and 74 Faubourg Poissonnière, Paris.—Plaited card, roving card. Turning-lathe, emery cylinder. A loom for spinning with 240 spindles.
- 633 MESSIER, S. 31 Boulevard Bonne Nouvelle, Paris.—Diagonal stringed cottage piano. For exportation.
- 634 MERRAUX, L. T. Rue des Cathénettes, Nantes.—Curried, japanned, and yellow calf leather.
- 635 MESSIERE SON, & CARTIER, Engine Makers, Pontoise (Seine and Oise).—A portable mill on a new principle, for grinding corn and all sorts of grains, and capable of grinding hard substances.
- 636 MESTIVIER & HANOT, Manufacturers, Valenciennes (Nord).—Linen fabrics, pieces of cambric and lawn.
- 637 MÈTEZ, E. Typographic Printer, 3 Rue de l'Abbaye, Paris.—Printing in colours, in gold and silver.
- 638 MÈVIER, —, Designer, 1 Rue Hauteville, Paris.—Different designs for fabrics.
- 639 MEYERSON & SON, BROTHERS, Ganges (Hérault), Dépôt in Paris, 18 Rue des Mauvaises Paroles.—Silk stockings, Scotch thread stockings. Silk and worsted gloves. Beaver gaiters for children.
- 640 MICHEL, A. Manufacturer of Chemical Products, Puteaux près Paris (Seine).—Bottles containing various extracts of the colouring matter of dye woods.
- 641 MICHELER, T. Ribbon Manufacturer, 133 Rue Montmartre, Paris.—Silk and velvet ribbon.
- 642 MILON, M. Tissues Manufacturer, Beine (Marne).—Woolen fabrics, barags, &c.
- 643 MILLARD, L. Troyes (Aube).—Enamelled panes with inlaid designs, for decoration.
- 644 MILLY, Da —, Manufacture de l'Étoile, 59 Rue Rochechouart, Paris.—Stearine acids and candles, soaps.
- 645 MIROUDE BROTHERS, Card Makers, Rouen (Seine Inférieure).—Cards made with machinery invented by M. A. Miroude, and patented.
- 646 MIROU BROTHERS, Bronze Manufacturers, Rue d'Angoulême du Temple, Paris.—Pendulums and chandeliers, representing different kings and great men of France and England; bronze statuettes. The same in imitation of bronze.
- 647 MOLLIER, L. Silk Throwster, St. Jean-du-Gard.—Samples of silks, silk waste, and cocoons.
- 648 MOLLER, W. BROTHERS, Manufacturers, Amiens (Somme).—Fabrics in woolen and silk for dresses, shawls, &c.
- 649 MOLTREY & SIEGLER, Opticians, 63 Rue Neuve St. Nicolas, Paris.—Optical and mathematical instruments.
- 650 MONTCHARMONT, —, La Fermeté près Nevers (Nièvre).—Millstones from Nevers quarries.
- 651 MONTEBELLO, A. L. Château de Mareuil sur Ay (Marne).—Machine for corking bottles. Corks with annular incisions. New invention. Patented.
- 652 MORBAU & Co. Shirt Makers, 29 Rue d'Enghien, Paris.—Linen and cambric shirts, with stitched and embroidered fronts.
- 653 MORSE, —, Watch and Clock Maker, 15 Boulevard du Temple, Paris.—Clocks set in black marble. Travelling clocks of all descriptions.
- 654 MORRE, B. & Co. Cotton Spinners, Roubaix (Nord). Single and twisted cottons. A piece of cotton velvet. Patented in France and England.
- 655 MOULARD, Miss, Trimming Maker, 39 Rue Montmartre, Paris.—Lace head-dresses, caps, tobacco-bags, and net purses. Various fancy articles in chain-stitch work.

- 656 MOUSIER & BOULLAND, 24 Rue Crebillon, Nantes (Loire-Inférieure).—Periscope spectacle glasses, white, blue, concave, and convex.
- 657 MOURARD, — Coach Maker, 50 Allée des Veuves, Paris.—Four-wheeled carriage. Drawing of a new model of waggon.
- 658 MULOT & SON, 69 Rue Rochecouart, Paris.—A sample of sounding instruments.
- 659 NAST, H. J. China Manufacturer, 22 Place Royale, Paris.—Various articles of white and gilt or decorated china.
- 660 NAZET, E. Manufacturer, Reims (Marne).—Stuffs for waistcoats and cloaks. Fine light cloths for dresses. Double-milled cloths and kerseysmere satin for paletots. Shawls.
- 661 NEZAUDEAU, J. A. Ledger Maker, 16 Rue des Fossés Montmartre, Paris.—Various ledgers for offices, &c.
- 662 NEUBURGÈRE, — Lamp Maker, 4 Rue Vivienne, Paris.—Omnibus lamp with moveable burner. Convex glass lamps; night lamps. Patented.
- 663 NICOIN, V. & SON, Annonay (Ardèche).—Twisted or platted wicks for stearine wax candles. For exportation.
- 664 NICHOLAS, P. Cylinder Engraver, Chann (Haut-Rhin).—Machine, intended for cutting the bottom of engraved rollers for printing fabrics. Patented.
- 665 NIEDREZ, J. E. Bookbinder Gilder, Passage Dampine, Escalier E. Paris.—Different books bound and gilt in a very rich style.
- 666 NOEL, SEN. 33 Rue de Lancry.—Ivory combs with hollow round teeth, in every variety.
- 667 NUMA, GRAB, & Co. Sugar Refiners, Valenciennes (Nord).—Samples of sugar extracted by the process of Mr. Dabrunaut from molasses.
- 668 OCAZ, J. Manufacturer of Fancy Articles, 28 and 30 Rue Notre Dame de Nazareth.—Specialty of fancy articles in cornelian and agate, such as office articles, articles of jewellery, &c.
- 669 OUDIN, C. Manufacturer, Bétheniville (Marne).—Unbleached and dyed merino fabrics.
- 670 OZOUF, H. 36 Rue de Chabrol, Paris.—An apparatus for gaseous liquids. Bottles with capsules. A machine for gaseous liquids.
- 671 PAILLARD, E. Manufacturer, 16 Rue de Grand Chantier, Paris.—Mirrors with copper and zinc frames. Various objects in zinc, in imitation of bronze.
- 672 PAILLARD, J. M. Manufacturer, 21 Rue des Francs-Bourgeois, (au Mérais), Paris.—Artists' colours, crayons, and boxes.
- 673 PARNUTT, V. D'AUTRESME, SONS, & Co. Clothiers, Elbeuf (Seine-Inférieure).—Gentlemen's superior fancy articles, such as trousers, waistcoats, paletots, for winter and summer, of various colours.
- 674 PATOUX, DREUX, & Co. Plate Glass Manufacturers, Amiche (Nord).—Window glasses of every description. Blown glass. Chemical productions.
- 675 PATOUX, DREUX, & Co. Looking-Glass Manufacturers, Amiche (Nord).—Framed looking-glasses.
- 676 PAUL, ULYSSE, Cotton Printer, Bourg les Valence (Drôme).—Linen kerchiefs of different dyes. Fancy silk handkerchiefs. Madder India silk pocket handkerchiefs.
- 677 PEUTEREAU, A. Hide Manufacturer, Châteaurenault (Indre et Loire).—Raw hides. Smooth cow-skins. Smooth ox and cow-skin cuttings.
- 678 PEREL & MENUET, Manufacturers, 7 Rue Bourbon Villeneuve, Paris.—Samples of cashmere threads. Cashmere tissue cuttings.
- 679 PETIT, CLEMENT, Manufacturer, Boult (Marne).—Pieces of unbleached and dyed merino fabrics of fine quality.
- 680 PHILIP, — Tortoise-shell Articles Manufacturer, 16 Passage Choiseul, Paris.—Tortoise-shell bracelets, brooches, ornaments, circlets, and ring.
- 681 PILOUX, — Embroiderer, 21 Rue des Puits de l'Érmité, Paris.—An embroidered album.
- 682 PIN, BATAIN, Manufacturer, Roubaix (Nord).—Woolen, satin, and satin-de-chine cuttings for dresses, merino, abawia, &c.
- 683 PINSOHNÉ, — 34 Rue St. Marguerite, Faubourg St. Germain, Paris.—Carved chair.
- 684 PLECHON, V. Jeweller, 10 Rue des Filles du Calvaire, Paris.—Ornaments, bracelets, ear-rings, rings, and other articles of jewellery of gilt brass.
- 685 POITTEVIN & SON, Clothiers, Louviers (Seine-Inférieure).—Fancy cloths for paletots (summer and winter materials).
- 686 POLLIART & CARPENTIER, Spinners and Tissue Manufacturers, Aubenton (Marne).—Samples of carded thread. Remnants of Reims cloths and flannels made by machinery.
- 687 POUTAT, J. China Manufacturer, Limoges, St. Leonards, and St. Yrieix (Haute-Vienne).—Raw materials for making china. Different samples of china.
- 688 PRAX & LAMKES, Saddle Makers, 9 Passage Basfour, Rue St. Denis, Paris.—Various saddles. Harness. Apparatus intended for horse-riding. Patented.
- 689 FRESBOURG, P. Picture Brush Maker, 56 Rue Quincampoix, Paris.—Various brushes for all kinds of purposes, artistic and commercial.
- 690 SAUGIER, — 11 Boulevard Montmartre, Paris.—Daguerreotype miniatures.
- 691 SAUSTIN, A. 8 Rue du Petit Bourbon, Paris.—Frame with engravings.
- 692 SEGUIN, A. Rue d'Assas, Paris.—Chimney, carved in white marble, medal, basso-relievo, panel moulding, angel's head, &c.
- 693 SIMONIN, J. Bookbinder, 38 Rue de l'Arbre, Paris.—Bound books.
- 694 SLATE WORKS COMPANY OF RIMOUGE AND ST. LOUIS, Sur Meuse (Rimogne).—Slates of various kinds.
- 695 THIBERGE, — Wig Maker, 4 Rue Vide Gousser, Paris.—Perukes and fronts.
- 696 CHOMIN, A. Manufacturer, 44 Boulevard Beaumarchais, Paris.—Stamped and cast-brass furniture ornaments.
- 697 DE TILLANCOURT, E. 85 Rue de Chaillot, Champs Elysée, Paris.—Factory for the spinning of raw silk from the North of France.
- 698 TILMAN, — Artificial Flower Maker, 2 Rue Ménar, Paris.—Artificial flowers, ball dresses, wedding head-dresses. Patented.
- 699 TORDEUX, — Bone Black Manufacturer, Cambrai, Nord.—Machine, used in the construction of factory chimneys. Bone black of various qualities.
- 700 TRELON, WILSON, & WELI, Button Makers, Rue de Bercy, St. Antoine, Paris.—China knobs of every kind.
- 701 TROTTE, H. HOSIER, 19 Rue Quincampoix, Paris.—Hosiery, network, &c.
- 702 TROUVE, CUYVEL, & Co. Tanners and Curriers, La Suze (Sarthe).—White calf leather; Japanned calf leather; boot legs.
- 703 TRUE, Lamp Maker, 9 Rue Saintange, Paris.—Porcelain lamps of all kinds, and appendages.
- 704 TUVIN & Co. Fancy Article Manufacturers, 13 Rue de Choiseul, Paris.—Ribbons, silk-works, and fancy goods.
- 705 VACMON, SEN., SON, & Co. Place Satony, Lyons, Rhône.—Two machines, applicable to the cleansing of corn.
- 706 VALERIOS, P. Orthopedist, 7 Rue du Coq St. Honoré, Paris.—A surgical bed. Orthopedic belts and stays. Various bandages.
- 707 VALEN, C. Artificial Pearl Manufacturer, 161 Rue St. Martin, Paris.—Various kinds of pearls; pearl head-dresses; statuettes mounted with pearl, &c.

708 VALIN, J. China Manufacturer, Faubourg Mont Jovis, Limoges, (Haute Vienne).—Various objects in porcelain. Decanters. Lustres. Statues, &c.

709 VALFAT & BOUILLÉ, Shirt Makers, 70 Rue de Rambuteau, Paris.—Ready-made shirts. Shirt fronts of every kind made by machinery and by hand. Shirt collars. Stocks, fannel waistcoats, &c.

710 VAUCHER, P. Manufacturer of Tissues, Bethel (Ardennes).—Pieces, merino fabric, grey and dyed.

711 VANDERBOUCKE, E. 16 Rue de Strasbourg, Paris.—Coffee-roasting machines. A newly-invented and patented process for preserving the fragrance of coffee.

712 VANDERDORFEL & SON, Fancy Paper Manufacturer, 3 Rue Chapon, Paris.—Gilt, lithographed, and coloured borders, corners, ornaments, and frames. Various kinds of fancy stationery. Embossing of all kinds.

713 VAN ECKHOFF & Co. Lace Manufacturers, 38 Rue Notre Dame des Victoires, Paris.—White Alençon, Brussels, Binche, and Flanders lace. Black Chantilly, Bayeux, Caen, and Grammont lace.

714 VAN LEENPOEL DE COLNET & Co. Quiquengrogne Glass Works, near Chapelle (Aisne).—Large and small-sized bottles for all kinds of purposes.

715 VANTROYE & MALLAT, Cotton Spinners, Lille (Nord), Rue Tempapez.—Cotton-yarn for maulins; water-twist glazed for lace and bobbin-net; dyed and bleached yarns; glazed yarn (imitation of silk), &c.

716 VASSE, —, Doctor of Sciences, St. Quen (Seine), Manufactory at Leribour's, Pont Neuf, Paris.—Universal gauge, comprising 17 different gauges, and indicating which to use in every particular case.

717 VARRALL, MIDDLETON, & ELWELL, 9 Avenue, Trudaine, Paris.—A continuous process paper-machine, with a complementary machine to divide in sheets.

718 VAUGEON & TROCHET, Rue Mauconseil, Paris.—Gold and silver embroidery and lace-work; manufactured for exportation.

719 VEDY, F. Optician, 52 Rue de Bondy, Paris.—Astronomical instruments for the navy.

720 VEISSIERE, A. Woollen Stuff Dyer, Puteaux, near Paris (Seine).—Dyed stuffs of merino wool.

721 VELIN BAUFREZ, Manufacturers, Gerbeville, Meurthe.—Fabrics for trousers, made of unbleached yarn, plain, or with cotton mixture, of various shades.

722 VERGE, A. A. 17 Chaussée Magdeleine, Nantes.—Oak-wood arm-chair.

723 VERSTRAETE BROTHERS, Linen Spinner, Lille (Nord).—Twisted threads for sewing, and for the mounting of weaving-looms. Patented in France, England, & Belgium.

724 VERSERUY, P. Chemist, Riom (Puy de Dôme).—White and red lead, made by a new process: patented in France.

725 VIAULT, E. 17 Rue de la Paix, Paris. Dépôt at MM. Thierry & Sons, 278 Regent Street.—Slippers, ladies' boots and ladies' foot coverings, of every description.

726 VIE, J. Caoutchouc Manufacturer, 161 Rue St. Jacques, Paris.—Caoutchouc tissues, elastic stockings, belts, knee-caps, &c.

727 VIDAL, R. Toulouse (Haute Garonne).—Vermicelli, nutritive pastes, starch, &c.

728 VIGOUROUX, S. Spinner and Manufacturer, Reims (Marne).—Plain and printed fabrics in cotton, web, and fancy threads, for ladies' dresses and for waistcoats. Bobbin-machine: patented.

729 VIGUET, E. 6 Boulevard Beaumarchais, Paris.—An hydraulic foot-warmer, or chafing-pan, adapted for day or night use: patented.

730 VINCENT & THIERANT, Manufacturer, 21 Rue Michel le Comte, Paris.—Sealing-wax, wafers, gelatine-sheets, writing-inks, &c.

731 VIOLARD, G. Lace Manufacturer, 4 Rue de Choiseul, Paris.—Half a shawl and a piece of lace-work, made upon a new principle.

732 VIREBERT BROTHERS, Manufacturers, Toulouse (Haute Garonne).—Artificial stone; capitals; monuments; ornamented chimneys in the Renaissance style, &c.

733 VIREHEX, —, Argentueil (Seine and Oise).—Large and pocket chronometers, indicating minutes and seconds.

734 VIVIER, E. T. Decorative Painter, 6 Rue des Petits Hôtels, Paris.—Patterns of hangings painted with wax.

735 VUILLAUME, J. B. 49 Rue Croix des Petits Champs, Paris.—A complete set of string and bow musical instruments, with bows made by machinery: patented.

736 WAGNER, —, Clockmaker, 47 Rue Neuve des Petits Champs, Paris.—Clocks of different structure and mechanism, a dynamometer, and other philosophical instruments.

737 WALWEX, —, Designer, 24 Passage de l'Industrie, Paris.—Designs for cloth and Jacquard fabric printing establishments.

738 WATRELOT, D. Chocolate Manufacturer, 10 Rue Nationale, Lille (Nord).—Chocolate of various descriptions.

739 WEISS, J. Bookbinder, 2 Rue Hautefeuille, Paris.—A newly-invented binding process. Patented.

740 WETGAND, A. Bronze Manufacturer, 108 Vieille Rue du Temple, Paris.—Clocks and candelabras in bronze; statuettes and groups in artificial bronze.

741 WHITTAKER, SON, & Co. Charleville (Ardennes).—Plates and card-straps for wool or cotton.

742 WILLIAMS, H. Paper Manufacturer, 111 Rue de Charenton, Paris.—Three panels, in the Tuscan, Gothic, and Renaissance styles.

743 WILLIAMS, H. (from London), 111 Rue de Charenton, Paris.—Paper-hangings; imitation of wood, marble, and agate.

744 WOLFF, —, 2 Rue St. Appoline, Paris.—Ivory carving.

745 YOX, MME. VVE. 110 Rue Vieille du Temple, Paris.—Eight carved wood medallions, representing religious subjects, executed by Messrs. Vechte, Gaynard, and Yon.

746 ZIEGER, A. Rue des Marronniers, Lyons.—An upright piano. Patented.

747 ZIEGER, A. Organ Maker, Lyons (Rhône), 8 Rue des Marronniers.—The gymnasium of the pianist: "Octavian" piano, a new invention.

748 BOUXWILLER MINER'S JOINT STOCK COMPANY, C. H. SCHATTERMANN, Manager, Bouxwiller (Bas Rhin).—Alum, sulphate of iron, prussiate of potash, yellow and red Prussian blue, gelatine, glue, &c.

749 AFFOURTIT, G. L. Vallerauge (Gard).—Silks and silk cocoons.

750 ALLARD & CLAYE, Perfumers, 317 Rue St. Denis, Paris.—Cakes and balls of soap; liquid or cream soaps, of various kinds; perfumes.

751 AFFERT, —, Manufacturer of Alimentary Preserves, Paris.—Preserved, roasted, and stuffed mutton.

752 ARELA, N. G. 3 Rue de la Barillerie, Paris.—The machinery of a complicated clock with a new dial. A tell-tale clock, indicating the days of the month. Another, with simple movement. An hydrometer for liquids.

753 ANNEKITTE, M. Manufacturer of Agricultural Implements, and various other implements of Horticulture, 9 Place St. Germain, Desprez, Paris.—Drying-frames, pruning-knives, fumigating apparatus, grafting-knives, hedging-knives, saws, and other horticultural implements.

754 AUBESQUE, P. H. Clermont Ferrand (Puy de Dôme).—French opium and syrup of lettuce.

755 AUNE BROTHERS, Silk Manufacturers, Lyons (Rhône), 26 Port St. Clair.—Dyed silks; silk for lace; finished edging for lace; edging for embroidery.

- 766 BARRANDE, J. B. 26 Rue du Fer à Moulin, Paris.—Tarring, tanning, and dyeing. Manufactured calf, kid, lamb, sheep, and goat skins, for boots and shoes, &c.
- 767 BARTHELEMY, L. DE, Logères, Commune de Châtel St. Honoré, Allier.—Specimens of silk and silk cocoons.
- 768 BASIN, A. Agent of the Marame Mines, Drôme, and Rue d'Antin, Paris.—French Tripoli, called Tellurine. Pink, yellow sifted, and native Tripoli.
- 769 BEARD, J. 20, Rue Jean Jacques Rousseau, Paris.—Copper-plate printing, with iridescent paper. A new invention.
- 770 BENOIVILLE, M. Igny, Canton de Gray (Haute Saône).—Skeins of raw silk.
- 771 BERANGER, J. Manufacturer, Lyons (Rhône).—Scales, weighing-machines, and various other implements for weighing. Improved and patented.
- 772 BERNARD, D. F. Optician, 30 Rue des Marmonzets, Paris.—Microscope; camera lucida; and instruments for land surveying.
- 773 BERT, —, Silk Manufacturer, 7 Rue St. Marcel, Lyons (Rhône).—Silk fabrics of ancient manufacture; figured brocade and taffeta; chasuble cross; woven portraits of Louis the Fifteenth and Catherine the Second, &c.
- 774 BERTRAND, A. Silk Manufacturer, 26 Port St. Clair, Lyons (Rhône).—Fancy silk articles, Scotch poplin, chiné gros de Naples, chiné shawls, chiné parasols, &c.
- 775 BETHERRÉ, G. 44 Rue Magazine, Paris.—Concave glasses; polyprisms; lenses; eye-glasses, &c.
- 776 BIGNONNET, H. 48 Rue Vivienne, Paris.—Hernia and orthopedic bandages.
- 777 BIELAUX, —, 54 Rue de la Victoire, Paris.—Painting in imitation of wood and marble.
- 778 BLANCHET BROTHERS, Manufacturers of Steel Articles, Fures, near Tullins (Isère).—Locomotive strap in natural and wrought-steel.
- 779 BOCHER, M. Manufacturer of Sporting Implements, 19 Rue des Vinaigriers, Paris.—Powder-flasks, and various sporting implements. Patented in England.
- 780 BOEKINGE, & Co. Manufacturer, 6 and 8 Cour des Miracles, Paris.—A door with the application of a security bolt on a new system.
- 781 BONNETON, —, Silk Throwster, St. Vallier, Drome.—Raw and thrown silks. Silk cocoons.
- 782 BONZEL, BROTHERS, White Lead Manufacturers, Hanbourdin (Nord).—Lumps of white lead; bottle of ultramarine blue.
- 783 BOSSY, J. B. 26 Rue St. Hyacinthe, St. Michel, Paris.—Marble table in mosaic work.
- 784 BOCASSE, LERKE, & Co. Gelatine Makers, Rue du Petit Bourbon, Paris.—Gelatine figures, pinked and ornamented: a variety of specimens.
- 785 BOUCHARD-HUZARD, W. Mrs. Printer and Bookseller, 5 Rue de l'Eperon, Paris.—Natural history of the Mals, of golden birds. Description of machinery. The art of rearing silk-worms, &c.
- 786 BOUCHER, E. & Co. 15 Rue des Vinaigriers, Paris.—Culinary vases, hardware and trellis; tinned by electro-chemical process.
- 787 BOUQUILLARD, —, Lithographer, 226 Rue St. Martin, Paris.—A frame representing a lithographic plan of Paris.
- 788 BOUGHERY, Mrs. 24 Rue Hantefeuille, Paris.—Painting in relief. Paintings of fruit and detached fruit. Pathological anatomical subjects.
- 789 DE BRAUX, D'A. 10 Rue de Castiglione, Paris.—Vases. Statues of galvanized zinc. Bronze busts.
- 790 BREZ & JOUFFROY, Milliners, Rue Richelieu, Paris.—Millinery articles; head-dresses, bonnets, caps, &c.
- 791 BRONX, P. & Son, Rennes (Ile and Vilain).—Strong and smooth leathers. Crusted calf-skins for varnishing.
- 792 BROWN, B. Silk Throwster, Château de St. Selves, near Bourdeaux (Gironde).—Unbleached silk and silk cocoons, the produce of the breed of Bronski silk-worms.
- 793 BUDY, J. P. A. 13 Rue de la Roquette, Paris.—Kitchen utensils and cast-iron stoves.
- 794 BUISSON, EUGÈNE, ROBERT, & Co. de Manosque (Basses Alpes).—Three skeins of raw silk.
- 795 CABARRON, G. A. 12 Rue Taranne, St. Germain.—Drawings on wood for typographical engraving.
- 796 CABRIOL, J. M. Surgical Instrument Maker, 6 Rue St. Marc, Paris.—Instruments and apparatus in gutta serena used in surgery. Electro-magnetic tissue and galvanic poultice, by Dr. Récamier. Patented in France and England, &c.
- 797 CARRÉ & ROUX, Silk Throwsters, St. André de Valborgne (Gard).—Raw silks, yellow and white.
- 798 COLLAUX, BELLEBONNET DE T. & Co. Angoulême. Agents for the Veuze and Maumont Iron Works.—Specimens of papers for designs, ledgers, letter-writing, &c.
- 799 CAMUS, M. de la Rochelle (Charente-Inférieure).—Boxes of sardines preserved in oil.
- 800 CANNON, PIERSON, Mesières, Ardennes.—Iron and brass articles for buildings and furniture.
- 801 CARNET, S. 95 Rue Rambuteau, Paris.—Specimens of preserved food.
- 802 CARTEAUX & CHAILLOU, Physicians, 20 Rue Louis-le-Grand, Paris.—Anatomical models in embossed leather.
- 803 CERCEUIL, L. F. 33 Rue Traversière, Paris.—Dyed and milled goods, and paste colours for paper-hangings.
- 804 CHAMPFLEAU, N. Tours (Indre and Loire).—Raw silk, white and yellow. White and yellow hair web. Sewing silk. Floss silk unbleached and dyed. Organzine silk, &c.
- 805 CHAPUS & RICHTER, Manufacturers of Ultramarine Blue, Waschmes-les-Lille (Nord). Specimens of ultramarine of ten different qualities.
- 806 CHANTON & SON, Silk Spinners and Reelers, St. Vallier (Drome).—Specimens of raw silk. Specimens of thrown silk. Specimens of silk cocoons.
- 807 CHATELAIN & BASSET, Rochelle (Charante-Inférieure).—Specimens of preserved food.
- 808 CLAYE, J. Printer, Rue St. Benoît, Paris.—Composing frames. Albums; illustrated volumes.
- 809 CLEBOET, C. E. Ornamentist, 10 Rue Albony, Paris.—Framed designs and proof engravings.
- 810 COLLET, BAVAROT, & SON, Manufacturer of Combs for weaving, 26 Rue des Capucins, Lyons (Rhône).—Steel and brass weaving-combs of all descriptions.
- 811 COLLAS, M. A. C. 8 Rue Dauphin, Paris.—White and coloured essence of almonds and pine-apple.
- 812 COLVILLE, M. & Mills. 22 Rue des Vinaigriers, Paris.—Specimens of coloured porcelain and enamelled plates. Portraits of the Queen of England and Prince Albert.
- 813 CORDONNIER & Co. 7 Rue de Charonne, Paris.—Violet ebony library in two compartments.
- 814 COSQUIN, J. 71 Rue de l'Université & 13 Rue Mayot, Paris.—Framed map of France executed for the French Government.
- 815 COUTEAUX, A. I. TAVAU, Pontsericourt (Aisne).—A noctograph, or instrument for writing in the dark.
- 816 COURTEZEE, D. 11, Rue du Renard St. Sauveur, Paris.—Calf leather.
- 817 CURTIAL, —, Manufacturer of Ultramarine Blue, 9 Quai de Javel, Grenelle (Seine).—Bottles of ultra-marine blue.
- 818 COURTON, E. Chaussée de Clignancourt, Paris.—Leather for saddlery. Calf leather for boots and shoes.
- 819 CROCO, F. Stuff-Manufacturer, 163 Rue de Charonne, Paris.—Various pieces of Cashmere, for waistcoats and scarfs.
- 820 CROCHER, V. 58 Rue Notre Dame de Lorette, Paris.

- Wainscoting for rooms. Cartons Pierre: Figures of animals carved in oak. Consoles with baso-reliefs.
- 811 DAGAUD, — Sculptor.—Heads: Spring, Summer, Harvest, Innocence. Statuettes: M. Dupin, M. D'Argout, and M. de Thury.
- 812 DAVID, C. 12 Rue Manoeuvre, Paris.—Turkey leather. Shagreen morocco and sheep-skin.
- 813 DEADRE, —, Manufacturier, 18 Boulevard de Charonne, Charonne (Seine).—Patent leather.
- 814 DELONGUEUX, H. 8 Rue Royale, St. Honoré, Paris.—A close carriage, on new springs, painted blue, with plated ornaments, gray lining, and moveable windows.
- 815 DESCARTES, J. Cabinet-worker, 6 Rue du 29 Juillet, Paris.—Arm-chairs, chairs, sofas, and toilet-table. Ebony and lacquered articles.
- 816 DESPLANGES, jun. Rizy-sur-Ourg (Seine and Marne).—Machines for washing, cleansing, and combing wool. Samples of washed and combed wool.
- 817 DESROSIERS, A. Printer, Moulins (Allier).—Six volumes: Ancien Bourbonnais, Ancien Auvergne, and Le Velay: four volumes in folio.
- 818 DEVY, J. 32 Rue d'Enfer, Paris.—Terra cottas, painted with enamel-paste. Virgin, enamel-paste on lava. Painting with enamel-paste on china.
- 819 DEYDIER, W. 90 Rue de l'Ecole, Vaugirard.—Zinc vases. Roofing for beehy. Zinc dormer window, &c. Flower-pots.
- 820 DIDIER, F. 40 Rue de Jeuneur, Paris.—Design for printed shawl, &c.
- 821 DOUBLET & HUCHER, Typographic Engravers, 12 Rue des Moulins, Paris.—Vignettes, and ornamental letters for type-founding.
- 822 DOURNAC, E. Joint-Stock Company of Marais and St. Marie Paper-Mills, Jouy, St. Morin (Seine and Marne). Depot, 3 Rue du Pont de Lodi.—Printing papers, drawing papers, writing paper, and card paper.
- 823 DORRY, J. F. Havre (Seine-Inférieure).—Power loom.
- 824 DUCEL, S. J. Iron-Manufacturer, 26 Faubourg Poissonnière, Paris.—Statues with pedestals. Animals. Vases and portions of balustrade.
- 825 DUGARDIN, L. 18 Rue St. Séverin, Paris.—Wood engraving. Framed engraving.
- 826 DUMONT, F. 12 Rue Chévenot, Paris.—Carving on wood: vis, a bouquet of flowers, and a garland of flowers and fruits, gilt and lurnished by a process that resists damp.
- 827 DURAND, G. Leather-Manufacturer, 8 Rue Marie Stuart, Paris.—Strong leathers, and tanned calf-skins.
- 828 DURAND, G. 8 Rue Marie Stuart, Paris.—Strong leathers and tanned calf-skins.
- 829 DURAND & BAL, Manufacturers of Weaving-combs, 10 Rue St. Polycarpe, Lyons (Rhône).—Weaving-combs, with from 220 to 230 teeth in the space of 10 inches.
- 830 EYER, —, 32 Rue de Malte, Paris.—Various blowing machines.
- 831 EYMEU, sen., and Son, Saillans (Drôme).—Waste silk, and three fancy skins.
- 832 FABREGE, N. SOX, BARSOUIN & Co. Nîmes.—Silk waste and carded waste silk.
- 833 FAMILI, P. A. 13 Rue de Berlin, Paris.—Marble statue: Billiard player.
- 834 FAROCION, E. 47 and 58 Rue d'Enfer, Paris.—Marble statue of a boy overloaded with fruit: Grasp all, lose all.
- 835 FAVREL, A. Goldbeater, 27 Rue du Caire, Paris.—Leaf-gold and leaf-platinum, &c.
- 836 FLACHERON, H. Place d'Espagne, Bonne, and at M. DURAN'S, Architect, 17 Rue de Lille, Paris.—Seven views of Rome and Albrun, with other views.
- 837 FOUCHER, —, Engineer, 8 Rue Salle-au-Comte, Paris.
- Machine for weaving lace slippers. Slippers, with and without soles, made by it. Balls of lace used in the manufacture.
- 838 FRATIN, —, Rue de Creve, Paris.—Groups of animals; chandeliers and candlesticks in bronze and cast-iron.
- 839 GAILLET, E. Wool-spinner, Sommezy (Marne).—Wool spun by hand, for the manufacture of veils, barge dresses, and other light articles.
- 840 GALLIMARD, N. A. 4 Rue St. Honoré-Chevalier, Paris.—Designs for church windows.
- 841 GATTIKAR, G. 80 Rue des Marais St. Martin, Paris.—Designs for printed shawls. A dress, and fabrics for dresses.
- 842 GAUDET DU FRESNE, Artificial Flower Manufacturer, 41 Rue Richelieu, Paris.—Specimens of manufactured leaves for artificial flowers.
- 843 GAUME & Co. 4 Rue Casette, Paris.—Books: Works of St. Chrysostom, St. Basil, St. Augustin, &c. Two volumes coloured paper, sewn.
- 844 GAUTHROT, sen. 60 Rue St. Louis, Paris (au Marais).—Musical instruments: Harmony horns, cornets, nebhorn, trumpets, clarions (chromatic), counter bombardons, ophicleids, trombones, &c.
- 845 GELLE, sen. & Co. 35 Rue des Vieux Augustins, Paris.—Perfumery. Toilet soaps.
- 846 GIRELIN & SON, Silk Spinners, La Salle (Gard).—Specimens of raw silk, white and yellow.
- 847 GILBERT & Co. Pencil Manufacturer, Givet (Ardennes).—Composition pencils.
- 848 GILLE, J. M. China Manufacturer, 28 Rue Paradis Poissonnière, Paris.—Statuettes, vases, flagons, decanters, and various other articles in white and ornamented porcelain.
- 849 GILLOT, F. Bronze Manufacturer, 19 Rue du Pont-aux-Choux, Paris.—Clocks and chandeliers, various compositions and groups in bronze.
- 850 GIRAUD BROTHERS, Tanners, 38 Rue du Fer-à-Moulin, Paris.—Morocco leather, real and imitation, for bookbinding, portfolios, furniture, and boot and shoemaking.
- 851 GOLDENBERG, G. & Co. Zornhoff, près Saverne (Bas-Rhin).—Hardware and edge-tools.
- 852 GOUZE, F. Leather Manufacturer, Douai (Nord).—Leather for cards, spinning-machines, and military accoutrements.
- 853 GRAILLON, P. A. Dieppe (Seine-Inférieure).—Groups in terra cotta.
- 854 GRATIOT, A. Director of the Paper Mills at Essone, 8 Rue Vivienne, Paris.—White and coloured papers.
- 855 GRIMONPREZ & Co. Spinners and Manufacturers, Roubaix (Nord).—Woollen fabrics for dresses, shawls, aprons, and hangings.
- 856 GROSSEMAN & WAGNER, Manufacturers, 11 Rue de Renard, St. Sauveur, Paris.—Surgical instruments. Bandages and articles in caoutchouc.
- 857 GRUZZ, —, 10 Rue de la Concorde, Paris.—Books in various bindings: Missal, mosaic volumes, bibles, prayer-books, &c.
- 858 GUERREPERRE, —, Cutler, Langres (Haute Marne).—Samples of cutlery.
- 859 GUESSE, —, 16 Rue Portefoin, and 14 Rue Anmaire, Paris.—Lithographic printing. Embossed papers.
- 860 GUILBERT & WATEAU, Manufacturers, Rue St. Fiacre, Paris.—Woollen fabrics, woollen and silk mixtures, unbleached and dyed.
- 861 HAMANN, E. F. 43 Quai des Augustins, Paris.—A calculating planimeter.
- 862 HANN & Co. Surgical Instrument Maker, 6 Place de l'Ecole de Médecine, Paris.—Instruments for cataracts, amputations, trepanning, and lithotomy. Trusses, surgical instruments, &c.

- 868 HARAND, E. Artificial Flower Maker, 15 Rue de Chateaul, Paris.—Head-dresses, gown-trimmings, &c.
- 864 HARDING, C. Manufacturer of Spinning Combs, 7 Rue de Metz, Lille (Nord).—The model of a machine for combing flax, wool, and silk. A machine for combing wool, articles used in spinning flax, wool and silk, such as gills, cylindrical combs, &c.
- 865 HARDOUIN, —, 26 Rue de Breda, Paris.—Carved ornaments: lustre roses; looking-glass frames.
- 866 HART, E. F. Colour Manufacturer, 18 Rue des Petits Augustins, Paris.—Canvass for historical painting; colour; varnish; new process for restoring pictures.
- 867 HARTWECK, E. Designer, 14 Rue de Mail, Paris.—Designs for long and square shawls.
- 868 HEBERT, F. & Sons, 13 Rue de Mail, Paris.—Long and square shawls of brocaded cashmere.
- 869 HEBERT, L. A. 252 Rue St. Martin, Paris.—Varnish for boots and shoes.
- 870 HECKEL, sen. & Co. Silk Manufacturers, 14 Rue des Capucins, Lyons (Rhône).—Plain satin of different tints.
- 871 HENRI, F. Jeweller, 47 Rue de Vert Bois, Paris.—Boxes, cups, brooches, pins, &c.; with imitations of jewels.
- 872 HENRI, —, 22 Rue Neuve St. Eustache, Paris.—Designs for shawls.
- 873 HERMAN, G. Machine Maker, 92 Rue de Charenton, Paris.—Machine for grinding chocolate, colours, and drugs.
- 874 HOKS, J. B. Nimes (Gard).—Cabinet articles; window with Venetian blind and inside shutter.
- 875 HOFER, H. & Co. Cotton Spinners, Kayserberg (Haute Rhin).—Spun cottons, bobbins, skeins, wets, and chains.
- 876 HOLSTEIN, J. P. St. Etienne (Loire).—Terra cotta moldings.
- 877 HONORE, E. Porcelain Manufacturer, 6 Boulevard Poissonnière, Paris.—White and gilt porcelain.
- 878 HOUKEAU, E. 33 Rue de l'Arbre Sec, Paris.—Tracing paper.
- 879 HUBER, C. E. 29 Rue Bergère, Paris.—A door in the style of Louis XIV.; niche and pilastre of a figured frieze in renaissance style; cariatides, medallion, vases, and capitals.
- 880 HUER, J. Polished Steel Manufacturer, Rue Pastourelle (Marais) Paris.—Trimming for purses; bead reticules; buckles, brooches, bracelets, pins, &c.
- 881 HUON, J. J. & Son, Grasse (Var).—Bottles of various essences.
- 882 HULOT, A. Assistant Engraver to the Mint, Hotel des Monnaies, Paris.—Impressions from reliefs engraved plates; bank notes; playing cards; stamps, &c.
- 883 HUYTER, J. Cloth Manufacturer, Bischwiller (Bas-Rhin).—Various fabrics; black satin, black cloth, china satin, twilled amazon, &c.
- 884 HUYTREL & Co. Lille (Nord).—A ferule for generators, with its appendages.
- 885 HUSSON & BURDOD, Manufacturers of Musical Instruments, 13 and 15 Rue Grégoire, Paris.—Violins, guitars, barrel organs, &c.
- 886 JACOBS & DUPUIS, Shoemakers, 32 Rue de la Paix, Paris.—Ladies' and children's boots and shoes.
- 887 JAUDIS, A. Manufacturer of Tinfoil for Mirrors, 15 Rue de la Croix St. Martin, Paris.—Tinfoil and coloured spangles.
- 888 JAVET, C. 10 Rue Geoffroy Maria, Paris.—Designs for fabrics.
- 889 JEANSELME, J. P. F. 93 Boulevard Beaumarchais, Paris.—Cabinet work: oak sideboard, dressing-room furniture, arm chairs, and chairs (Louis XV. style).
- 890 JOLLY, L. Cabinet-maker, 33 Foubourg, St. Antoine, Paris.—Rosewood wardrobe, carved, with looking-glass, and small étagère.
- 891 JOLY, J. M. Rope-maker, St. Malo (Ille and Vilaine).—Rope-work for shrouds.
- 892 JOLY, Mmes. Sisters, 45 Rue Neuve St. Augustin, Paris.—Fancy white satin, white drill, mohair, &c. Stays; trimmings, &c.
- 893 JOUVIN, V. X. Glove Manufacturer, Grenoble (Isère), and 18 Boulevard Poissonnière, Paris.—Glove-leather; gloves; patent machine for cutting out gloves.
- 894 KOEFFELIN, E. 17 Quai Voltaire, Paris.—Lithographic printing.
- 895 LABOULAYE, C. & Co. Type-founder, 30 Rue de Madame, Paris.—Specimens of various type-founts, and printing.
- 896 LAMONT, G. Merino Manufacturer, Bethel (Ardenne).—Unbleached and dyed merino fabrics.
- 897 LAUDZ, A. 19 Rue de la Roquette, Paris.—Cast-iron bedstead ornamented with bronze, and having an elastic bottom.
- 898 LANGEVIN & Co. Floss-silk Thread-spinner, Laferté Aleps (Seine and Oise).—Floss-silk threads of various qualities.
- 899 LAROUSSE & LECLERC, Booksellers, 81 Rue de la Harpe, Paris.—A treatise on botany; Platarch; Algerian typography, &c.
- 900 LAFORTE, V. & Son, Cloth Manufacturers, Limoges (Haute Vienne).—Double-milled cloths, light grey, plain Marengo, &c.
- 901 LABOQUE, SON, BROTHERS, & JAQUEMET, Manufacturers, Bordeaux, Gironde.—Assortment of spun wool for knitting woollen blankets. Short-napped carpets. Samples of manufactured hides.
- 902 LAURENT, J. B. Lace maker, 40 Rue Rambuteau, Paris.—Twists, silk buttons, and other articles of trimmings.
- 903 LAURET BROTHERS, Hosiery, 19 Rue des Mauvaises Paroles, Paris.—Stockings, gloves, and silk mittens. Scotch thread, silk poplin, and cashmere. Various other articles.
- 904 LAVOISY, A. D. 180 Rue Montmartre, Paris.—A patent churning machine, with flaps and cast-iron bottom.
- 905 LAZARE AMEZ, V. & LACROIX, Silk-handkerchief manufacturers, Avignon (Vaucluse).—Thread, silk, and cotton kerchiefs. Flagon of garancine.
- 906 LEBRON, L. J. 126 Rue de Grenelle, St. Germain, Paris.—Specimens of binding; Lewis's Sketches; Napoleon in Egypt, &c.
- 907 LEZEVRE, SON, & Co. Lille.—A glazed wardrobe of cheamut wood, with inside of oak, and pannels of cedar wood.
- 908 LEISTNER, G. I. 48 Rue de Chaillot, Paris.—Perfumery, tooth-powder, &c.
- 909 LEMONNIER & Co. Designer in Hair, 1 Rue du Coq St. Honoré, Paris.—Various trinkets set with hair ornaments.
- 910 LEFINE, F. D. Clasp Manufacturer, 12 Rue des Vinaigriers, Paris.—Clasps for gloves.
- 911 LE CHULLIER, P. Sottenville-les-Rouen (Seine-Inférieure).—New signal-whistle; float-whistle, with single and double effect. Manometers.
- 912 LHOEST, C. V. Manufacturer, 14 Rue Pastourelle, Paris.—Drawings from sculpture, effected by mechanical process.
- 913 LOMBARD, —, Ornamental Carver, 5 Rue Thorigny, Paris.—Ornamented looking-glass and picture-frames. Bronze articles. Furniture, &c.
- 914 LUNDY, J. A. V. 2 Rue Chapon, Paris.—Paleographic designs. Manuscript of the fifteenth century, on parchment.
- 915 CAEHLY, —, 69 Rue du Rocher, Paris.—Model of a machine for extracting oil from bituminous schistus.
- 916 MALAPERT, P. P. Chemist, Poitiers, Vienna.—Sulphate of magnesia, and sulphate of soda.

- 917 MANSON, E. Nantes (Loire-Inférieure).—Japanned calf-leather.
- 918 MAUVOIS, M^{me}. ELZA, Colourist, Rue du Pont de Fer, St. Sulpice.—Ceruse of zinc, for painting in water colours and in oil.
- 919 MARX, —, 20 Rue de la Cerisaie, Paris.—Screw-jack loading-machine.
- 920 MARRAT, F. Iron Master, Angoulême (Marente).—Flat and squared iron refined. Cast-iron for artillery purposes.
- 921 MARTEL, GEOFFRAY & VALENROT, Manu. Lyons Rhône.—Fancy silk cravats and collars.
- 922 MARTIN DE LEONAC, —, Agriculturist, Mont Levalde, Commune de St. Sulpice (Creuse).—Patent concentrated milk.
- 923 MATIFAY, C. S. Manu. 9 Rue de la Perle, Paris.—Clocks, chandeliers, and various articles in bronze.
- 924 MAUZAIN, J. N. 4 Impasse St. Michel, Chartres (Eure and Loire).—Machine applicable to flour-mills.
- 925 MENIER & Co. Chocolat Manufacturers, 37 Rue St. Croix de la Bretonnerie, Paris. Drugs prepared by steam. Chocolates. Pearl and shelled barley. Gruel.
- 926 MEUNIER, E. M. Painter, Noyon (Oise).—Oil paintings, copied by a mechanical process.
- 927 MESSIER, —, 100 Faubourg St. Antoine, Paris.—Drawing-room furniture. Cupboards with mirrors. A bed, chest of drawers, &c.
- 928 MEURBER, —, Corset Maker, 1 Rue du 20 Juillet, Paris.—Two fancy corsets.
- 929 MILLIAU, —, jun. Soap maker, Marseille (Bouches-du-Rhône).—Various samples of soap.
- 930 MILON, —, sen. & FERRER, D. 98 Rue St. Honoré, Paris.—Silk stockings. Trowsers, babies' clothes, and various articles of hosiery.
- 931 MORISOT, —, Manufacturer, 12 Rue de la Cerisaie, Paris.—Art bronzes. Andirons, tongs, &c. Vases and statuettes.
- 932 MOTTET, C. Rue des Trois Bornes, Paris.—Orchil for dyeing and printing stuffs.
- 933 MOUILLAC, —, La Reole (Gironde).—A twelve circle mill of Acacia.
- 934 MUEHL-WAHL & Co. Tusey Iron Works, near Vaucouleurs.—Statues: Hebe; a Faun. Busts, candelabras, fountain, door panels, pilasters, table feet, &c.
- 935 NIEUS, —, jun. Gravelle, near Havre (Seine-Inférieure).—A double pump.
- 936 NOEL, F. Filter Manufacturer, 14 Chemin de Ronde de la Barrière des Vertus.—Stone apparatus for filtering water.
- 937 NOGAREDE, J. L. St. Jean-du-Gard.—Skeins of raw silk.
- 938 ODENT X. BONS & Co. Courtain (Seine and Marne).—Papers made by machine and by hand.
- 939 OGEE, J. L. M. 17 Rue Culture, St. Catharine, Paris.—Household and toilet soaps, and perfume.
- 940 PAGNERRE, —, Bookseller and Publisher, 18 Rue de Seine, Paris.—Thirty-two volumes of various kinds.
- 941 PAIX DE BEAUVOT, C. Seiches (Maine and Loire).—Bee-hives in wood and straw.
- 942 PALMER, J. L. Wire Drawer, 16 Rue Montmorency, Paris.—Specimens of drawn wire, welding, &c.
- 943 PAFÉ, J. H. 19 Rue des Bons Enfants, Paris.—Console piano-fortes, square and long. Console long.
- 944 PARENT, —, 33 Rue des Arcis, Paris.—Weighing scales, weights, and measures.
- 945 PARVINIEN, A. Manufacturer, 12 Rue St. Oppoline, Paris.—Waxen leaves. Ladies' head-dresses.
- 946 PAURELAN, —, Locksmith and Machine Maker, 366 Rue St. Honoré, Paris.—Safes and locks of various kinds.
- 947 PEIGNE, V. J. Nort (Loire-Inférieure).—New self-priming gun.
- 948 PELLER BROTHERS, Manufacturers of Preserves, Mans (Sarthe).—Bottles and boxes of preserves.
- 949 PELLEREAU, F. jun. Château Renaud (Indre and Loire).—Various kinds of leather.
- 950 PERAN, J. Manufacturer of Preserves, La Musée, near Nantes (Loire-Inférieure).—Boxes of truffed game, sardines, green peas, and various preserved meats; bottles of fruits.
- 951 PERROT, G. J. sen. Engraver on Steel, 8 Rue Mandar, Paris.—Steel engravings of different descriptions.
- 952 PERROT, PÉTRÉ & Co. Manufacturers, 12 Rue de la Bourse, Paris.—Artificial flowers; fancy feathers for dress; gold, silver, and pearl embroidery, &c.
- 953 PETITCOLIN, J. Engraver, 3 Place Dauphine, Paris.—Copper-plate engravings of machinery.
- 954 PETITROMBA, L. A. Engineer and Founder, 263 Rue St. Jacques, Paris.—Patent system of suspension for bells, exemplified by a chime of four bells.
- 955 PÉYRON, S. Slave-hoop Manufacturer, Rumegnot, near Brest (Finistère).—Slave-hoops; made of beech sawn and bent by steam machinery.
- 956 PHELAPS & CANAUD, Manufacturers of Preserves, Ville-en-bois, Nantes (Loire-Inférieure).—Bottles and vessels of preserves, as meats, vegetables, fish, &c.
- 957 PIENOW, —, Bronze Manufacturer, 13 Rue des Enfants Rouges, Paris.—Fenders, with shovels and tongs, gilt and oxidized, or gilt and bronzed. Patent screen.
- 958 PIENET, J. B. 29 Rue de Breda, Paris.—A rotatory steam-engine of 10-horse power.
- 959 PIÉREZ, —, sen. Brush Maker, 297 Rue St. Martin, Paris.—Samples of brushes for painting.
- 960 PIRROUX, V. Gelatine Flower Manufacturer, 24 Rue Parée au Marais, Paris.—Gelatine flowers, ornaments and bouquets. Gelatine cylinders of various colours.
- 961 POELMAN, I. Moulins-les-Lille; Agent, M. Gauthier-Bouchard, Rue du Cloître St. Méry, Paris.—Ceruse, or white lead.
- 962 POULEU BROTHERS, Brest (Finistère).—Cenotaph of granite.
- 963 POURIER, L. Machine Maker, 33 Rue du Faubourg St. Martin, Paris.—Patent copying-presses; presses for sealing letters; autographic presses; stamping-machine, &c.
- 964 POUYER, 5 Rue Neuve St. François, Paris.—Clocks of various descriptions and patterns.
- 965 POULAT, A. Manufacturer, 6 Cours de Broches, à la Guillotière, Lyons (Rhône).—Brass screw-plates, with holes set in rubles, for extracting all kinds of metals.
- 966 POUILLOT, —, Optician, 83 Rue St. Louis (Marais) Paris.—Eye glasses; spectacles, &c.
- 967 POUTER, Mechanist, Rouen (Seine-Inférieure).—Apparatus, available for a 40-horse power, by which any number of movers may be connected or disconnected at pleasure.
- 968 PRADIER, J. Sculptor, 1 Quai Voltaire, Paris.—A statue in Grecian marble.
- 969 PROUFAT, MITROS & CROMBERT, Arny-le-Duc (Côte d'Or).—Samples of tools and files.
- 970 PROVANCHER, B. Place du Château-Rouge, Montmartre.—A China plate, with portrait representing Queen Victoria and the Royal Family.
- 971 RAGOT, J. F. Designer, 89 Boulevard St. Martin, Paris.—Design for a white lace counterpane, Brussels application, without trimmings.
- 972 RAGOT, M. Manufacturer Reims (Marne).—Unbleached and dyed merino fabrics, of different qualities.
- 973 RANDOING, J. Clothier, Abbeville (Somme).—Dyed cloths: beaver, cashmere, summer satin, &c.
- 974 RAFF, C. F. Bootmaker, 21 Rue Feydeau, Paris.—Various descriptions of shoes and boots.
- 975 REBERT, C. 25 Place du Dome, Strasbourg (Bas

Rhin)—Patterns of patent door fastenings, with single wires or with spiral rods.

976 REDLIX, C. H. 357 Rue St. Denis, Paris.—Flower-makers' tools.

977 REMOND, N. Rue du Foin St. Jacques, Paris.—Framed impressions, coloured, but not touched up with a pencil, and a painted sign-board.

978 RENARD, —, Cutler, 28 Rue des Gravilliers, Paris.—Tools for engraving.

980 RENARD, J. Jun. 28 Rue des Gravilliers, Paris.—Steel tools for engraving.

981 RENARD & SON, Plate Glass Makers, Fresnes, near Condé (Nord).—Window-glass: white, half-white, and common; and fluted glass.

982 RESODIER & SOY, Cutlers, St. Etienne (Loire).—Steel-bladed knives, called Hustaches.

983 REPEYRE, S. Shawl Manufacturer, 9 Rue des Fossés, Montmartre, Paris.—Figured woollen shawls and scarfs.

984 REYDOR BROTHERS & COLIN, 17 Rue Jean-Robert, Paris.—Clocks. Regulators and kitchen-jacks.

985 RIHY, P. Angers (Maine and Loire)—Mill-stones.

986 RICOCHY, N. & Co. (China Workmen Society), Limoges (Haut-Vienne).—Articles in China: white china table service.

987 RIVAUD, G. Petit Rochefort (Charente).—Fleeces of merino-wool.

988 ROBAUT, L. Tanner and Currier, Douai (Nord).—Leather for cards and military accoutrements.

989 GALLAND, R. Manufacturer, Pont-Favarger (Marne).—Merino fabrics unbleached and dyed.

990 ROCHE & DIME, Silk Manufacturers, 1 Place Romaria, Lyons (Rhône).—Three fancy silk shawls.

991 ROCHE, M. Nantes (Loire-Inférieure)—Patent apparatus for distillation. Submarine condenser.

992 RODEL & SOY, Bordeaux—Preserved food.

993 ROTH, J. C. Strasbourg (Bas-Rhin).—Brass and wooden musical instruments.

994 ROUCHEA, F. & SON, Manufacturers of Preserves, Ruffec (Charente).—Rheims biscuits. Preserved green pisse.

995 ROUX & FORTIN, Caster Makers, 21 Rue d'Anjou (Marais) Paris.—Patent undulating castors.

996 SAINT JEAN, Artist-Painter, 2 Rue Fulchiron, Lyons (Rhône)—Oil paintings: A Virgin among Rose-bushes; bouquets of flowers; flowers and fruits, &c.

997 SAVARESE, H. 30 Avenue St. Charles, Grenelle (Seine).—Strings and musical instruments.

998 SAVARESE, — jun, Manufacturer of Strings, Grenoble, near Paris (Seine).—Strings in silk and catgut, with bows of the same material trimmed with lace, for harps, violins, violoncellos, and guitars.

999 SCHERTZ, J. G. Cabinet Maker, 27 Rue de la Huchette, Paris.—Optical apparatus. Apparatus and stands for daguerotyping. Stands for telescopes.

1000 SCHLUMBERGER, GASPARD, & Co. Manufacturers, Mulhouse (Haut-Rhin)—Woolen and silk stuffs for furniture. Fabrics from the Jacquard-loom.

1001 SCHNEIDER, E. & A. & LEGRAND, Sedan (Ardennes).—A shearing-machine.

1002 SCHNEIDER BROTHERS, Merchants, 187 Rue Montmartre, Paris.—Silk ribbons manufactured by various houses at St. Etienne (Loire).

1003 SCHWARTZ & HEGGELIN, Calico Printers, Mulhouse, (Haut-Rhin).—Printed woollen and cotton cloths. Printed fastings.

1004 SCHWARTZ, TRAPP, & Co Wool Spinners, Mulhouse (Haut-Rhin).—Machine-combed woollen threads.

1005 SCRIVE BROTHERS, Manufacturer of Cards' Straps, Lille (Nord).—Plates and card-straps for carding cotton, wool, and flax tow.

1006 SCRIVE BROTHERS, & DANER, J. Tissue Manufacturers, Marguette and Halbedin, near Lille (Nord).—Linen tissues. Various kinds of cloth. Ticks woven by power-loom.

1007 SCRIVE BROTHERS, Flax Spinners, Lille (Nord).—Flax and flax-tow thread, manufactured by new processes.

1008 SMOUX, JOSEPH, Manufacturer, Fay (Haute Loire); and 40 Rue des Jeuneurs, Paris.—Silk lace.

1009 SKEIL, J. A. Floor-cloth Manufacturer, Strasbourg, (Bas-Rhin)—Glazed cloths for floors, embroidery, cloaks, &c. of various qualities.

1010 SKOGENWALD, —, Strasbourg (Bas-Rhin).—Samples of madder from Alsatia.

1011 SUFFIS, SOY, & Co. Wool-spinners, Reims (Marne).—Samples of spun wool, fossils, tape, &c.

1012 SERVAIS, J. B. Gilder and Ornamentist, 15 Rue St. Louis en l'Île, Paris.—Gilt frames. Rustic ornaments of sculpture.

1013 SICKORST ROCHAS, P. Woollen Cloth Manufacturer, Vienna (Isère) Rue du Chemin Neuf.—Woollen cloths of a new description; black cloth; grey twills, &c.

1014 SIMON, E. Strasbourg.—Black and coloured prints. Lithographic aquarelle.

1015 SIMON, P. 86 Boulevard du Temple, Paris.—Plastic art, a group.

1016 SIMON, T. 4 Rue Vide Gousset, Place des Victoires, Paris.—Marble clocks, goblets, inkstands, chimney-piece, &c.

1017 SIZOR, Nail-maker, Valenciennes (Nord).—Samples of nails and pegs for shoes, in rut, copper, or steel.

1018 VIELLEZ MONTAGNE JOINT-STOCK COMPANY, Mr. A. GUYEMER, Sen. Director, 19 Rue Richer, Paris—Sheets of zinc, of various thickness and dimensions; samples of zinc products; statues, busts, and statuettes.

1019 LIXEN JOINT-STOCK Co.—M. M. HUEZET, RADIQUEZ, HONOR, GOUYT, & LEBROUX, Managers, Landernau (Finistère).—Sail-cloth and yarn spun dry.

1020 SOREL, —, Civil Engineer and Oxide Manufacturer, Grenelle (Seine).—Dépôt, 6 Rue de Lancry, Paris.—Various qualities of oxide of zinc.

1021 STAMIN & Co. Thann (Haut-Rhin).—A spinning mule, with 120 spindles.

1022 SCHEER, H. Tanner and Boot-maker, Nantes, and La Morinière (Loire-Inférieure).—Tanned leather. Curried leather. Boots and shoes. Exportation.

1023 SOSSÉ BROTHERS, Bronze Manufacturers, 31 Place de la Bourse, Paris.—Candelabras. Statues in bronze and marble. Various clocks and bronzes. Statuettes. Fancy articles.

1024 TABOIRIN, P. F. 62 Rue Amelot, Paris.—Various kinds of files.

1025 TAILBOUIS, VERDIER, & Co. Manufacturer, 15 Rue des Mauvaises Paroles, Paris.—New gloves, in silk, wool, and thread. Fancy articles in woollen and silk.

1026 TAILFER, J. B. 9 Rue St. Etienne, Batignolles (Seine).—Dynamometric machines, patented.

1027 TALABOT, LEON, & Co. Toulouse (Haute Garonne), and Sans sur Tarn, near Albi (Tarn).—Various kinds of scythes, cleavers, and files.

1028 TALBOT, BROTHERS, Menmeton Salons, near Bourges (Cher).—A plough.

1029 TAUBERTSTEIN & CORDEL, 90 Rue de la Harpe, Paris.—Music, printed in types and lithographed printed volumes.

1030 TEILLARD, C. M. Silk Manufacturers, 25 and 27 Rue Nationale, Lyons (Rhône).—Silk, mohair, velvet, taffets, and other stuffs.

1031 TERBIEZ DU CROS, Silk Throwsters, Vallemagne (Gard).—Various samples of raw and thrown silk.

1032 TERBIEZ, J. & Co. Dyers and Finishers, Suresnes (Seine).—Various woollen stuffs; satin; damask; merino; muslin-de-laine, dyed and finished.

- 1033 **TEKINS**, T. Jun. Glover, Niort (Deux Sèvres).—Gloves of deer, chamois, castor, and sheep skins.
- 1034 **TEKINS**, V. 350 Rue St. Honoré, Paris.—Bound and stitched volumes. Museum of ancient and modern sculpture.
- 1035 **THÉRY**, J. Millstone Manufacturer, St. Lucien, near Epervon (Eure and Loire).—Millstones.
- 1036 **THÉVENOT**, ÉTIENNE, Clermont Ferrand (Puy de Dôme).—Patterns of painted glass for windows. Two painted glasses, representing two French queens.
- 1037 **THIBERT & ADAM**, Hush Manufacturers, Metz (Moselle).—Dépôt, 10 Rue du Grand Chantier, Paris.—Silk plush, used in the manufacture of hats.
- 1038 **THIBERT**, J. Manufacturer, Rue Bat d'Argent, Hotel des Négociants, Lyons (Rhône).—A frame, containing nine photographic proofs.
- 1039 **THIBERT**, M. Manufacturer of Printed Stuff, Mulhouse (Haut-Rhin).—Printed cashmere shawls.
- 1040 **THOMAS BROTHERS**, Silk Manufacturers, Avignon (Vaucluse). Dépôt, Lyons (Rhône).—Florence various shades.
- 1041 **THOMAS**, H. Manufacturer of Alimentary Preserves, Rufec (Charente), Hotel des Postes.—Tureens of truffled ducks' livers; and of truffled red partridges. Patented in England.
- 1042 **TIFFENEAU**, T. Watchmaker and Machine-maker, 10 Rue de Vaugirard, Paris.—Hydraulic clock, patented in France and England.
- 1043 **TOULZA**, F. St. Etienne (Loire).—Wrought iron. Locksmith's work. Shoemaker's tools, and small cleavers, &c.
- 1044 **TRAVERS**, P. L. 146 Faubourg Poissonnière, Paris.—A model of the upper part of the Custom-house. A model of the moveable cupola of the observatory. Various models of hothouses.
- 1045 **TRUQUY**, E. Jeweller, 18 Rue du Petit Lion St. Sauveur.—Imitation pearls. Imitation pieces, for the use of jewellers.
- 1046 **TURPIN**, F. A. 28 Rue Richelieu, Paris.—Chocolate, in lozenges and various forms.
- 1047 **VIEL**, —, Chemist, Tours (Indre and Loire).—Rotatory pill-making machine.
- 1048 **WARMONT**, V. E. Dyer, Neuilly-sur-Seine.—Chain arranged for weaving. Woollen scarfs. Wool in skeins.
- 1049 **CHAMBER OF COMMERCE OF AVEYRON** (Vaucluse).—Madder and madder extracts.
- 1050 **ALCAN**, M. 38 Rue d'Enghien, Silk Spinning Mill (Nimes), Paris.—Raw silks, &c.
- 1051 **ALLUARD**, Sen. China Manufacturer, Limoges (Haute-Vienne).—Various specimens of china for the table and the toilet.
- 1052 **ANCOC**, —, Sen. Manufacturer, 6 Rue de la Paix, Paris.—Ladies and gentlemen's dressing-cases.
- 1053 **ANDRE**, J. P. V. Iron Master, Val d'Osme (Haute Marne), and at 14 Rue Neuve Menilmontant, Paris.—Cast-iron beds; grates for chimneys; groups of animals; can. delabras; statues and vases.
- 1054 **ANDRE J. & EARL OF BRUNO BROUSKY**, Major, Château de St. Silve, Arrondissement de Bordeaux, Gironde.—Two ploughs.
- 1055 **AURANEL**, —, Bronze Manufacturer, 43 Rue de Trévis, Paris.—Bronze and marble chimney-piece.
- 1056 **AUDOT**, L. J. D. 81 Rue Richelieu, Paris.—Different requisites for the toilet.
- 1057 **AURANEL**, J. 43 Rue de Trévis, Paris.—A door made of cast-iron and carved and gilt wood.
- 1058 **AURÉUX**, —, Stuff Manufacturer, 6 Rue de l'Impasse, Paris.—Kerseymeré stuffs for waistcoats, a fashionable novelty.
- 1059 **AUCLER**, W. & P. Ledoux, au Fiddle Berger, 46 Rue

des Lombards, Paris.—Confectionery, and articles for the use of confectioners.

- 1060 **AYRE BROTHERS**, Silk Spinners, Lyons, 26 Port St. Clair (Rhône).—Granadine silks.
- 1061 **BACH**, P. 99 Faubourg St. Denis, Paris.—Transparent painted blinds.
- 1062 **BACOT**, P. & Son, Sedan (Ardennes).—Satin cloths, and kerseymeres.
- 1063 **BADIN**, J. C. F. Manufacturer of Feather Tissues, 337 Rue St. Denis, Paris.—Basket-work, and hats of diamond-like feather tissues.
- 1064 **BALAY**, J.—Silk ribbons.
- 1065 **BALLENDIER**, F. Manufacturer of Silks, 20 Rue des Capucines, Lyons, (Rhône).—Figured velvets, with or without embroidery; velvet waistcoats.
- 1066 **BALZY**, Jun. J. P. 41 Rue de Charenton, Paris.—Furniture: Walnut-wood centre table, covered with silk, with bronze statue; elbow-chairs; chairs.
- 1067 **BARRAZ**, —, Lithographer, Chalons sur Marne.—Illustrated volumes of the Gospel.
- 1068 **BARRÉ**, C. Designer, Mulhouse (Haute-Rhin).—Designs for stuff-printing.
- 1069 **BATOW**, W. & Son, Lyons, 11 Rue Noire (Rhône).—Felt and silk hats.
- 1070 **BATTESMAN**, G. 20 Rue du Dragon, Paris.—Specimens of printing; one bound volume.
- 1071 **BAUDRY**, A. T. Athis, Mons (Seine and Oise).—Steel for springs and other purposes.
- 1072 **BAUERKELLER & Co.** (BERGER, W. successor), 7 Rue d'Enghien, Paris.—Geographical maps. Plans of towns in relief, sacred paintings, and sky-lights.
- 1073 **BAZIS**, —, Sen. Agriculturist, Moesnil, St. Germain (Oise).—Samples of wheat in the ear and in seed.
- 1074 **BRAUTIA**, —, Place des Quinconces.—Writing-table, work-table, cupboard, sofa, causeuse or small sofa, arm-chairs, and chairs.
- 1075 **BRAUTIA**, —, Furniture-maker, Bordeaux, Gironde.—A buffet.
- 1076 **BRADVAIN**, C. 18 Rue Notre Dame de Nazareth, Paris.—Raw silk.
- 1077 **BELLARGE**, A. L. Rue de Marais St. Martin, Paris.—Articles of furniture in buhl.
- 1078 **BELLEVILLE BROTHERS**, Nancy (Meurthe).—A jug containing starch.
- 1079 **BELLON**, J. & Co. 2 Rue du Griffon, Lyons (Rhône).—Figured silks, &c.
- 1080 **NATIONAL SHEEP FOLD OF RAMBOUILLES** (Seine and Oise).—Four fleeces of real merinos.
- 1081 **BERNARD**, J. B. Valenciennes (Nord).—A panel of veneer work and inlaid floor.
- 1082 **BERTSCHER**, CHESSON, & Co. Clothiers, Sedan (Ardennes).—Cloths of different shades, kerseymeres, satins, and fancy articles of every description.
- 1083 **BERTSCHER**, CHESSON & Co. 29 Rue des Fossés St. Germain l'Auxerrois, Paris.—Seventy cuttings or pieces of cloth; fancy silks and satins.
- 1084 **BERTON**, H. 13 Rue Foubourg St. Martin, Paris.—Pasteboard boxes. Perfumed cases and bags. Envelopes.
- 1085 **BERTRAND**, GAYET, & DUMONTAT, Manufacturers of silks, 27 Place de la Comédie, Lyons (Rhône).—Figured silks; shawls, neckerchiefs, scarfs.
- 1086 **DE BERTIGNIES**, M. China Manufacturer, St. Amand les Eaux (Nord).—Porcelain vases (soft biscuit), ornamented, and mounted in bronze; flower stands, &c.
- 1087 **BLANCHI**, J. & DUBONNEUR, Lyons (Rhône).—Various samples of raw and wrought silks.
- 1088 **BINSON** l. Jun. Broad-cloth Manufacturer, Bernay (Eure).—Cloth frocks. Bronzed waddings. Blue pilot cloth, &c.
- 1089 **BLAIZE**, H. Engraver, 3 Rue Tournaine St. Germain, Paris.—Embossed engraving on brass.

- 1090 **BLANCHES & KLEBER**, Rives (Isère).—White and coloured paper, sized and unsized.
- 1091 **BLUIZE**, H. 33 Rue des Lombards.—Divers specimens of soaps and essences.
- 1092 **BOSKE & LEMIRE**, Choisy-le-Roi (Seine).—Chemical products.
- 1093 **BOLLEZ**, E. Bell Founder, St. Croix-lès-Mans (Sarthe).—Three bells forming a perfect chime, and fixed in a two-storied belfry.
- 1094 **BOYFILA, MICHEL, SOUVRAZ, & Co.** Shawl Manufacturers, 3 Rue des Fossés Montmartre, Paris.—Cashmere square shawls and scarfs.
- 1095 **BOWNET**, J. B. Rousset.—A plough, with double subsoil action.
- 1096 **BOWNET**, Jun. Earthenware Manufacturer, 5 Chemin de Ronde de la Barrière Menilmontant.—Chemical apparatus and crucibles for casting in refractory earth.
- 1097 **BOYNER & Co.** Manufacturers of silks, 2 Rue du Griffon, Lyons (Rhône).—Plain silks: taffeta and satin.
- 1098 **BOQUET**, MARIE VIRGINIE, Painter on Porcelain, 27 Rue du Tronchet, Paris.—A portrait of Louis Philippe, painted on enamel.
- 1099 **BORD**, —, Pianoforte Manufacturer, 35 Boulevard Bonne Nouvelle, Paris.—Grand piano.
- 1100 **BORREARY**, —, Dijon (Cote d'Or).—Surgical apparatus: Instruments for various uses and bandages.
- 1101 **BOTTIER**, L. N. Engineer, 36 Rue St. Jean de Beauvais, Paris.—Machines for gold-beating; beaten gold, as specimens of the application.
- 1102 **BOUAYE**, V. LEBEL, & Co. Rue du Petit Bourbon, Paris.—Samples of gelatine pictures.
- 1103 **BOUCHARD**, F. Courcoing (Nord).—Satin, woollen, and cotton fabrics, &c.
- 1104 **BOUCHERIE**, J. A. 4 Rue Mondori, Paris.—Various kinds of wood, dyed by a chemical process, which tends to their preservation.
- 1105 **BOUDON**, L. Silk Manufacturer, St. Jean du Gard (Aisne).—White and yellow silk for bolting cloth; worst and satin organzine, gauze and other articles.
- 1106 **BOUHARDET**, C. P. Maker of Billiard-tables, 70 Rue de Bondy, Paris.—Carved billiard-table, with appurtenances.
- 1107 **BOUILLETTE**, HYVELIN, & Co. Jewellers, 46 Rue St. Avoye, Paris.—Frontlet composed of seven brooches, stomachers, bracelets, brooches, and other articles of gold and silver jewellery set with stones.
- 1108 **BOURDON**, E. Machine-builder, 74 Faubourg du Temple, Paris.—Working model of a steam-engine; various instruments for measuring the pressure of steam and gases, the atmospheric pressure, the temperature, &c.
- 1109 **BOUTELLIER**, F. Woollen Fabric Manufacturer, Beauvais (Oise), and 24 Rue du Moulin à l'Huile.—Manufacturing, spinning, and preparing of cloths.
- 1110 **BOUVAUD & LANGON**, Manufacturers of Silks, Lyons (Rhône).—Figured silks; satin, damask, lustring, brocette, &c.
- 1111 **BRANDOS & Co.** 87 Rue Richelieu, and 40 Rue Vivienne, Paris.—Printed music.
- 1112 **BRETIAU**, C. A. Artificial Flower Manufacturer.—34 Rue Notre Dame des Victoires, Paris.—Artificial flowers, and plumes of feathers for dresses and head-dresses; gown-trimmings, &c.
- 1113 **BRIEUF BROTHERS**, Mathematical Instrument-makers, 23 Rue Dauphine, Paris.—Rotatory air-pumps; electro-medical apparatus; electric locomotive.
- 1114 **BREDAUD**, J. 53 Rue Vivienne, Paris.—Shoes, boots, and cordovan boots.
- 1115 **BREDAUD**, J. Boot-maker, 53 Rue Vivienne, Paris.—Japanned riding boots; hunting boots; various kinds of shoes and boots.
- 1116 **BROQUET & PERRIER**, Tissue Manufacturers, 22 Rue Jean Robert, Paris.—Elastic caoutchouc tissues for braces, garters, &c., and specimens of that manufacture.
- 1117 **BRISSON BROTHERS**, Manufacturers, Lyons (Rhône), and 18 Rue du Griffon.—Silk and cotton plushes.
- 1118 **BROSSE & Co.** Manufacturers of Silks, Lyons (Rhône), and 1 Rue Lorette.—Plain velvets, in silk, of different colours.
- 1119 **BRUNEAU**, L. A. Silversmith, 40 Rue de Montmorency, Paris.—Silversmith works, and fancy jewellery, such as purses, seals, scent-bottles, snuff-boxes, jewel-cases, cash-boxes, &c.
- 1120 **BRUNET**, L. GUICHARD, & Co. Manufacturers of Silks, Lyons (Rhône).—Silk prints: taffetas, satined muslins, damasked gauze, crape for shawls, scarfs and neckerchiefs.
- 1121 **BRUNIER**, L. & Co. 55 Rue Vivienne, Paris.—Aromatic vinegar for the toilet.
- 1122 **BUFFAULT & TRUCHON**, Blanket Manufacturers, Essonne (Seine and Oise).—Wool and cotton blankets.
- 1123 **BUGEL**, A. Cane Manufacturer, 18 Rue Neuve St. Laurent, Paris.—Canes in tortoise-shells and ram's horn.
- 1124 **BURGHIER**, G. S. F. 30 Rue des Vertus, Paris.—Matrices engraved on steel and artistic bronzes; battle of Breneville; religious subjects; groups of animals and children, &c.
- 1125 **BUSSEUX**, —, sen. & Co. St. Etienne (Loire).—Silk ribbons.
- 1126 **CARANES & RAMBIE**, Bordeaux (Gironde), and 53 Quai de Paludate.—Grills flour; minots made with wheat from Bordeaux; and Egyptian flour.
- 1127 **CARIBOL**, —, Surgical Instrument-maker, 6 Rue St. Marc, Paris.—Gutta-percha surgical instruments.
- 1128 **CAIL**, J. F. & Co. Paris.—Locomotive for carrying goods.
- 1129 **CAIN**, J. Carver, 103 Faubourg St. Denis, Paris.—Bronzes: a nest with a group of birds fighting; a pair of goblets, &c.
- 1130 **CANNEAUX & SONS**, Wine Merchants, Reims (Marne), and 14 John St. Crutched Friars, London.—Apparatus for aerating and clarifying Champagne wines.
- 1131 **CAVELAN & Co.** Bagneres de Luchon (Hautes-Pyrenées).—Chemical products: Ore of argentiferous lead; ore of oxide of manganese; red litharge, and yellow litharge.
- 1132 **CARLE**, A. T. St. Maurice les Fossés (Seine).—Specimens of brass foundry: candlesticks, clocks, flower-stands, &c.
- 1133 **CARON**, A. Passage de l'Opéra, Paris.—Gunsmith's work: A Parisian, and other guns and pistols.
- 1134 **CARQUILLAT**, M. M. Manufacturers of silks, à la Croix, Lyons (Rhône).—Pictures woven in silk.
- 1135 **CARRIER**, R. Candelabra Manufacturer, Rue de Puits d'Ainay, Lyons (Rhône).—Candelabras; chandeliers; bronze censers.
- 1136 **CARRIERE**, F. Silk Throwster, St. André de Valborgue (Gard).—Skeins of raw silk (white and yellow).
- 1137 **CATSE & GARON**, Silk Spinners, Lyons (Rhône).—Raw and thrown silks.
- 1138 **CAUVET**, J. Chantilly (Oise).—Manufactured produce: Wool combed and carded, and yarn.
- 1139 **CHAGOT**, sen. Feather and Fine Flower Manufacturer, 73 Rue Richelieu, Paris.—Feathers and bouquets of feathers—artificial flowers and vases.
- 1140 **CHAMPELLAN & Co.** Shawl Manufacturers, 8 Rue des Fossés Montmartre, Paris.—Square shawls and scarves in wool and cashmere.
- 1141 **CHAMBER OF COMMERCE OF LYONS (Rhône)**.—Pictures woven in silk.
- 1142 **CHAMOUILLET**, —, Looking-glass Manufacturer, 22 Rue de Cléry, Paris.—Oval glass and etched mirror glass.
- 1143 **CHAMPAGNE & RODIER**, Manufacturers of Silks, Lyons (Rhône).—Figured silks, divers specimens; parasols and models of dresses, flounced.

- 1144 **CHARAGAT**, E. Umbrella Maker, 268 Rue St. Denis, Cour des Bleus, Paris.—Umbrellas, parasols, &c. with handles of different materials.
- 1145 **CHARIERE**, —, Rue de l'École de Médecine, Paris.—Surgical apparatus and instruments of every kind. Cutlery, &c.
- 1146 **CHERRAUX**, J. Manufacturer of Designs, 3 Rue St. Flacre, Paris.—Designs for dresses and for Aubusson carpets.
- 1147 **CHOCQUEL**, F. St. Denis. — Prints for stuffs. Shawls.
- 1148 **CHOCQUEL**, F. Shawl Manufacturer, Paris.—Scarfs in satin serge; with grounds of various colours, and cashmere designs.
- 1149 **CHOCQUART**, C. 259 Rue St. Honoré, Paris.—Chocolates of different qualities.
- 1150 **CHOSSEX & Co.**, Glover, 63 Rue Montmartre, Paris.—Ladies' and gentlemen's kid gloves.
- 1151 **CLAIR**, P. 93 Rue de Cherche-Midi, Paris.—Rotary dynamometer. Model of a locomotive steam-engine, Clair's indicator. Lapointe's calculating machine.
- 1152 **CLEMONSON**, Madame, Corset-maker, 8 Rue de Cort-Mahon, Paris.—Fancy corsets in bleached silk.
- 1153 **COIGNET & SOY**, Chemical Produce Manufacturer, La Guillotière, near Lyons (Rhône).—Chemicals: Glue, gelatine, phosphorus, prussiate of potash, &c.
- 1154 **COLLIARD & COMTE**, St. Etienne, Loire. — Silk ribbons.
- 1155 **COLLOT BROTHERS**, 4 Rue de l'École de Médecine, Paris.—Scales and philosophical instruments.
- 1156 **CONRAD**, W. Manufacturer of Chemical Produce, 26 Rue Vieille du Temple, Paris.—Refined camphor blocks. Sublimed iodine and iodide of potassium.
- 1157 **CONDERRANT**, A. Door-knob Manufacturer, 13 Rue de Bardi, Paris (Marais). — Porcelain door-knobs and plates. Hat-stands. Banisters, &c.
- 1158 **CORDONIER & Co.** 5 Rue Charonne, Paris.—Rosewood sideboard, revival style.
- 1159 **CORDONIER & Co.** Furniture Makers, 5 Rue de Charonne, Paris.—Rosewood library. Drawing-room buffet. Flower stand.
- 1160 **COUCHONVAL & Co.** Embroidery Manufacturers, 79 Rue de Richelieu, Paris.—Silk embroidery on silk dresses and silk shawls.
- 1161 **COUCNOUD**, St. ETIENNE, 11 Place St. Charles (Loire).—Silk ribbons.
- 1162 **COUPIN** J. Hatter, Aix (Bouches-du-Rhône).—Felt hats of various colours, without dressing.
- 1163 **COURTON**, A. Musical Instrument Maker, 21 Rue du Caire, Paris.—Trumpets, clarions, trombones, horns, ophicleids, and various other brass instruments.
- 1164 **COURTÉ**, P. Dyer, 47 Grande Rue (Rhône), Lyons.—Silks dyed black for plush.
- 1165 **CROCO**, F. Manufacturer of Tissues, 163 Rue de Charonne, Paris.—Woollen and silk tissues for waistcoats and ladies' dresses.
- 1166 **DAPRIQUE**, F. Manufacturer, 8 Rue Jean Jacques Rousseau, Paris.—Jewellery, bracelets, leontines, chains, brooches, &c.
- 1167 **DAMIBON & Co.** Shawl Manufacturers, 6 Rue des Capucins, Lyons (Rhône).—Long shawls of wool, and of wool and cashmere.
- 1168 **DANIEL**, —, jun. Jeweller in inferior articles, 33 Rue Michel-le-Comte, Paris.—Ornaments in steel, for purses; stool jewellery.
- 1169 **DARVINI**, sen. VALMARD, & Co. Silk-spinners, Laroque near Ganges (Hérault).—White and yellow silks.
- 1170 **DAUDRE**, A. St. Quentin (Aisne) and 17 Rue Berti: Poirée, Paris.—Fabrics, table-cloths, and napkins.
- 1171 **DAUTHILLE**, A. T. Bookbinder, 84 Rue Montmartre, Paris.—Bindings on gilt and stamped cloth, relieve; box covers in alto-relievo, gold, silver, and coloured, &c.
- 1172 **DEBAIN**, F. A. 13 Rue Vivienne, Paris.—A piano, an harmonium, and other musical instruments.
- 1173 **DEBELLÉ, PELLERIN, & Co.** Manufactory of Embroidery, Nancy (Meurthe).—Embroidered bed-coverlet; various cards of patterns.
- 1174 **DEJARDIN**, V. A. M. 63 Rue du Temple, Paris.—Burnishing stones, blood-stones, steel burnishing sticks for goldsmiths, &c.
- 1175 **DELABRE**, —, sen. Lavelette, near Montpellier (Hérault).—Raw and thrown silk.
- 1176 **DELABRE**, V. Silk-spinner, Ganges near Castillon (Hérault).—Raw and thrown silks.
- 1177 **DELEU**, L. J. 8 Rue du Pont de Lodi, Paris.—Various philosophical instruments.
- 1178 **DELEUX**, A. St. Ambroix, arrd. d'Alais (Gard).—Raw silk.
- 1179 **DELISSON**, V. 165 Rue Montmartre, Paris. — Hot air stoves and lamps, &c.
- 1180 **DELISSON**, V. Maker, 165 Rue Montmartre, Paris.—A hot-air stove, japanned tin lamps, flagons, &c.
- 1181 **DELISÉ & Co.** Manufacturers of Printed Morocco Leather, Briè near Grenoble (Isère).—Printed morocco leather for slippers, &c.
- 1182 **DENEROUSE**, E. B. GLAYY & Co. Manufacturers, 16 Rue des Fossés, Montmartre, Paris.—French cashmere shawl.
- 1183 **DESUELLE**, A. D. 43 Rue des Petites Ecuries, Paris.—Porcelain clay.
- 1184 **DESANGES**, A. Tonnerre Stone, 57 Quai Valmy, Paris.—A carved mantelpiece; two mangers; two filterers.
- 1185 **DESCHAMPS**, N. 14 Galerie d'Orléans, Palais National, Paris.—Boots and shoes.
- 1186 **DESFONTAINES**, M. LEROY & SOY, Watchmakers, 13 and 15 Galerie Montpensier, Palais National, Paris.— Travelling and other clocks; chronometers; musical picture, &c.
- 1187 **DEVOLAINÉ BROTHERS**, Glassmakers, Vauxrot (Aisne).—Samples of bells and bottles.
- 1188 **DEVRANGE**, B. jun. 257 Rue St. Denis, Paris.—Pieces of lace-paper, for plates and cards.
- 1189 **DIDA**, A. Varnish-manufacturer, 11 Boulevard du Temple, Paris.—Samples of varnish, samples of waterproof paper.
- 1190 **DINANT & HUETTE**, 8 Rue Levesque Nantes (Seine-Inférieure).—Fresh butter preserved without salt. Patented in England and France.
- 1191 **DOLLOS**, MIÉL, & Co. Printed Calico-manufacturers, Mulhouse (Haut-Rhin). Dépôt: 9 Rue St. Flacre, Paris; and 44 St. Paul's Churchyard, London.—Pieces of wool, muslin, jaconet, clear muslin, &c.
- 1192 **DOXAT**, A. Manufacturer of Silks, Place Croix Paquet, Lyons (Rhône).—Waistcoats and dresses, fancy watered silk; grenadine, satin, poplin, &c.
- 1193 **DOXAT & Co.** Manufacturers of Mixed Silks, Lyons (Rhône).—Silk plush for hats, in pieces. Plain hats.
- 1194 **DOPPEL**, J. V. M. 58 Rue de la Harpe, Paris.—Specimens of black and coloured lace. Designs of screens, &c. with designs engraved on silk by chromo-lithography.
- 1195 **DOUZÉL & MAUSSIER**, St. Etienne (Loire).—Fancy ribbons.
- 1196 **DROUTH & BROSSIER**, Labriche, near St. Denis (Seine).—Chemical and pharmaceutical products.
- 1197 **DUBOIS**, S. Optician, Rue de l'Odéon.—Optical apparatus and instruments.
- 1198 **DUCHENE**, sen. Hatter, 7 Rue Geoffroy Langevin, Paris.—Silk and felt spring hats with boxes. Skeletons of mechanical hats.
- 1199 **DUCOURTIOUX**, C. L. Croucheau Stocking-manu-

facturer, 4 Rue Fontaine au Roi, Paris.—Machine-made caoutchouc stockings and belts.

1900 DUROSS, sen. 13 Rue St. Dominique, Faubourg St. Germain.—Waterproof hunting boots.

1901 DUROSS, —, Shoe and Bootmaker, 20 Rue de la Paix, Paris; and 23 Old Bond Street, London.—Improved ladies' boots and shoes.

1903 DULUD, 27 Boulevard des Italiens, Paris.—Embossed leather for carving and ornamental hangings. Elbow chair and other articles of furniture.

1903 DUMAINE, X. Cournon sur Rhône.—Raw and thrown silks.

1904 DUFAS, E. 6 Rue Folie Méricourt, Paris.—Articles of preserved food.

1905 DUPASQUIER, J. P. 20 Montée St. Barthélemy, Lyons (Rhône).—A coach seat with springs.

1906 DURAND, BOUCOURT, & PITARD, Confectioners, 68 Rue des Carmes, Rouen. Sugar of apples and cherries. Jellies. Sugar candy.

1907 DURAND, E. P. Cabinetmaker, 6 Rue St. Claude (Marais).—Arm-chairs in mahogany and gilt. Chairs and sideboard. Bookcase.

1908 DURAND, G. Leather Manufacturer, 8 Rue Marie Stuart, Paris. Tanned strong and calf leather.

1909 DUTROU, jun. Silk Ribbon Manufacturer, 345 Rue St. Denis, Paris. Set of samples of silk ribbons for trimmings.

1910 DUVAL, M. Paris. Cakes of onions, of coffee with milk, and of chocolate. Metal hangings, ivory, metallized horns and bones.

1911 ECK & DURAND, Artistic Bronze-Founders, 15 Rue des Trois Bornes, Paris. A statue of Cupid, by Bonassieux. A lawn.

1912 EMMERICH, J. B. & GOEMER, M. jun. Manufacturers of Morocco, Strasbourg (Bas-Rhin). Morocco leather of various colours. Gilt sheep-skins.

1913 ESTRIQUE & DELAMARE, 5 Rue de Périgneux, Paris.—Metallic pearls

1914 ESTIVAN BROTHERS, Brass-Founders and Tanners, Givet (Ardennes).—Brass plates and wire. Tanned leather from Buenos Ayres. Glue.

1915 ETEX, A. Institute in Paris. Two groups in plaster.

1916 DE LAPEYRIERE, F. Proprietor of the Bruniquel Iron-Works; DETAFI, E. Director of the Works. Forged and flattened iron bars.

1917 FARJON, H. Silk-Throwster, Roquemaure (Gard).—Raw silk and organzine.

1918 FAURE, M. Sculptor, 24 Place de Madeline, Paris.—A figure carved on wood.

1919 FAURE, M. Furniture-maker, 14 Rue du Faubourg St. Denis, Paris. Ebony buffet with bronze ornaments. Chairs. Easy-chairs.

1920 FAVREL, A. Goldbeater, 27 Rue du Caire, Paris.—Gold and platinum beaten into leaves. Samples of their application.

1921 FAYET, B. Locksmith, 269 Rue St. Honoré, at M.M. Fontaine's, Paris.—Safety-lock.

1922 FIOLET, L. Manufacturer, St. Omer.—Earthenware pipes.

1923 FLORANGE, —, jun. Furniture Maker, 20 Rue du Faubourg, St. Antoine, Paris.—Ebony and rosewood furniture.

1924 FLOREMOND, —, Artificial Flower Manufacturer, 8 Rue Montigny, Paris.—Artificial flowers; head-dresses; flowers and fruits.

1925 FONTAINE, F. Manufacturer of Silks, 16 Rue des Capucins, Lyons (Rhône).—Silk velvet of different shades.

1926 FONTAINE, F. Lyons (Rhône).—Corsets of various fabrics.

1927 FONTAINE, P. L. 58 Faubourg St. Honoré, Paris.—Hydraulic apparatus of various kinds.

1928 FORTON, DUPONCEAU, & Co. Chateaufort (Mayenne).—Slate-billiard table.

1929 FOUCHÉ LE PELLETIER, E. E. F. Producers, Yavel, near Paris.—Various chemicals and manures.

1930 FOUQUEAU, L. Orleans (Loiret).—Rich billiard table.

1931 FOURDINOIS, A. G. 46 Rue Amulet, Paris.—Sideboard, with dressing-table of carved walnut-wood.

1932 FOX, J. F. Tile Manufacturer, St. Génie, Laval (Rhône).—Terra cotta and glass tiles.

1933 FRANC, A. & SON & MARTELIN, Silk Spinners, Lyons (Rhône).—Various samples of threads, combed wools, fancy twists.

1934 FRANCHÉ, C. Piano Manufacturer, 42 Rue de l'Université, Paris.—Two pianos.

1935 FRATIN, —, Sculptor, at M. Aubanel's, 43 Rue de Trévis, Paris.—Group of eagles, in bronze.

1936 FREY, —, Machine Constructor, Impasse St. Laurent, Belleville (Seine).—Machine for making nails.

1937 FRIET & RIGA, 124 Rue St. Jacques, Paris.—Typographic proof-sheets. Steel composing-pins and punches.

1938 GAAS D'AGNEN, V. Blind Children, National Asylum, Paris.—Geographical maps in relief. Two boards for raised letter-writing, with bodkins and gratings, &c.

1939 GALT, C. 14 Rue Charlot, Paris.—A new oscillating engine, patented. Manometers and safety apparatus in cases of boiler explosions, patented.

1940 GAUDICHEAUD P. & SOHN, Nancy (Meurthe).—Six pieces of cloth.

1941 GASTILLON, C. E. Manufacturer of Silks, 3 Rue des Capucins, Lyons (Rhône).—Pictures in silk, and silks for furnishing.

1942 GAUSSEN & Co. Shawl Manufacturers, 1 Rue de la Banque, Paris.—Cashmere scarves, &c.

1943 GAUSSEN, jun. FABRETON & Co. Shawl Manufacturers, 2 Place des Victoires, Paris.—Shawls: French cashmeres.

1944 GAUTHIER, J. Japanner, 4 Faubourg Moumartre, Paris.—Lacquered morocco leather of all colours.

1945 GAUTHIER, B. Colourman, 14 Rue du Cloître St. Marie, Paris.—Specimens of ochre, of different qualities.

1946 GERMAIN-SIMIER, M. Lithographic Printer, 20 Rue Poissonnière, Paris.—Papers for preventing forgery of bank notes, &c.

1947 GINDRE, L. Manufacturer of Silks, 23 Rue du Capucins, Paris.—Plain silks. Satin, of various dyes.

1948 GIRARD, NEPIEW, & Co. 19 Port St. Clair, Lyons (Rhône).—Silk velvet of various shades.

1949 LE GENERAL, G. Manufacturer, Gex, Ain.—Fleeces of Merino wool, from the flock at Nuz.

1950 GIRODON, A. Silk Manufacturer, 30 Quai de Retz, Lyons (Rhône).—Silk cravats, taffety, satin, silk, stuffs, &c.

1951 GODDET, A. Gun Barrel Maker, 130 Rue St. Lazare, Paris.—Pistol, and fowling-piece, with two and four barrels.

1952 GODFREY, L. Tissue Manufacturer, 4 Quai National, Puteaux (Seine).—Printed tissues; square shawls and scarves; dresses, &c.

1953 GORSAS & PERIER, China Manufacturers, Limoges (Haute-Vienne).—Table services in China, and various other articles.

1954 GRADE, L. Furniture Maker, 9 Rue Castor, Paris.—Two bureaux with shelves; large shelf-stand; toilet-table; parlour-table of inlaid work; working table, &c.

1955 GRANDVAL, J. B. Chemist, Hôtel Dieu, Reims (Marne).—Patentol pharmaceutical products.

1956 GRANGEON, J. M. Locksmith, 22 Rue St. Appoline, Paris.—Locks, for strong chests, pocket-books, room-doors, and other inventions of the exhibitor.

1957 GRASBOT & Co. Damasked Linen Manufacturers, 19 Port St. Clair, Lyons (Rhône).—Damask linen, napkins, table-cloths, &c. for tea, breakfast, and other table services.

- 1956 GRIFFON, BROTHERS & SUTRES, 99 Rue St. Honoré, Paris.—Specimens illustrating the dry scouring, and dyeing of silks, velvet, ribbon, &c.
- 1959 GRILLAT, sen. & Co. Shawl Manufacturers, 11 Place Croix-Paquet, Lyons (Rhône).—Long white and black Cashmere shawls.
- 1960 GIMON, —, Planishers, 15 Rue Bourg l'Abbé, Paris.—Different descriptions of lamp and lighthouse burners.
- 1961 GIBELIN, H. Tanner and Currier, Grenelle (Seine).—Japanese smoothed and grained calf leather.
- 1962 GUINERT, DELANDELLES, & Co. Confectioners, &c. Nantes (Loire-Inférieure).—Pies, sardines, peas, and various other preserved meats.
- 1963 GUINON, H. P. Dyer of Stuffs, Lyons (Rhône).—Chromatic picture and circle. Specimens of silks and woollen stuffs dyed in various colours.
- 1964 GUYON, E. Blanket Manufacturer, 57 Rue Galande, Paris.—Woollen and cotton blankets.
- 1965 HAYEN, —, sen. Shirt Maker, 38 Rue du Sentier, Paris.—Cambric shirts and fronts; collars of all descriptions. Patented.
- 1966 HENNECART, J. F. 30 Rue de l'Echiquier, Paris.—A bolting apparatus for sifting; samples of gauzes for bolters, of various qualities.
- 1967 HENRY, H. F. Designer for Fabrics, 69 Rue des Marais St. Martin, Paris.—Designs for prints and textures.
- 1968 HERB, H. Piano Manufacturer, 48 Rue de la Victoire, Paris.—Piano organ, grand piano, semi-grand piano.
- 1969 HINDENBLAND, —, sen. Wool Spinner, Cramoisy (Oise), and 24 Rue des Vinaigriers, Paris.—Woollen and Cashmere yarns and tissues.
- 1970 HOUDAILLE, J. Jeweller, 171 Rue St. Martin, Paris.—Jewellery in silver, gilt copper, silvered copper, &c.; specimens for books, furniture and ornaments, bookbinding.
- 1971 HOURETTE, A. & Co. 46 Rue de Fer à Moulin, Paris.—Japanese calf leather for boots and shoes.
- 1972 HUMBERT & Co. Diessus (Meurthe).—Gelatine.
- 1973 JAMET, BLANCHET, & DUBREUIL, Silk Spinners, 4 Rue Désirée, Lyons (Rhône).—Raw and thrown silks; cocoons.
- 1974 JAULIN, J. Musical Instrument Maker, 11 Rue Albouze, Faubourg St. Martin.—A panorgue connected with a piano, and an organ upon a new principle.
- 1975 JEANVIN, 81 Rue de l'Ecole de Médecine, Paris.—Twelve billiard sticks.
- 1976 JEANVELINE, —, jun. Cabinet Maker, 4 and 6 Impasse St. Blands, Au Marais, Paris.—Screens, window-cornices, easy-chairs, couches, chairs, &c.
- 1977 JEANTY, PREVOST, FERRAUD, & Co. Rue d'Isly, and La Villette, near Paris.—Three loaves of refined sugar.
- 1978 JOLLY, L. 33 Faubourg St. Antoine, Paris.—Rosewood bookcase.
- 1979 JOUVIN & DOYON, Glovers, 8 Boulevard Bonne Nouvelle, Paris.—Skins; tools used in the manufacture of gloves; dyed skins; gloves.
- 1980 JULIEN, —, Tours (Indre and Loire).—Trimnings for furniture.
- 1981 JUMEAU, P. F. 18 Rue Mauconseil, Paris, Manufacturer.—Dolls and dolls' wardrobe.
- 1982 KRUGER & Co. 79 Faubourg St. Antoine, Paris.—Several articles of furniture for drawing-rooms, dining-rooms, &c.
- 1984 LACARRIERE, A. 9 Rue St. Elizabeth, Paris.—Lustres, sconces, chandeliers, medallions, &c.
- 1985 LACHAFELLE & LEVAILLET, Spinners, Rheims (Marne).—Spinning. Samples of combed and carded woollen yarn.
- 1986 LACHASSAGNE, A. China Manufacturer, 55 Rue Mériay, Paris, and at Limoges.—Vases and groups in biscuit china.
- 1987 LABOQUE, P. I. Porcelain Manufacturer, 163 Palais National, Paris.—Gilt bronze-mounted ornamented porcelain articles. Engraved and gilt crystals, with similar mountings.
- 1988 LALANDE & CHEVALIERE, late MALLET, Manr (Sarthe).—Chemical products.
- 1989 LAMBERT & SOY, Felt Cloth Manufacturer, Toulouse (Haute Garonne).—Paletots in felt cloths. Rabbit-hair hats; grey woollen hats.
- 1990 LANDOW & Co. Perfumers, 67 Rue Montorgueil, Paris.—Aromatic vinegar, and essences.
- 1991 LANGR, D. 32 Rue du Roi de Sicile, Paris.—Carmine, lake, chrome yellow, vermillion, cinnabar, madder.
- 1992 LAFAYE & DOLBEAU, Manufacturers of Silks, 1 Place Romarin, Lyons (Rhône).—Figured silks. Damask stuffs and shawls.
- 1993 LARCHEZ, FAUCI, & Co. St. Etienne (Loire).—Silk ribbons.
- 1994 LARREAUDIERE, late GUYOT, 5 Rue de Mouton, Paris.—Inks of divers colours.
- 1995 LABOQUE, SOY, BROTHERS, & JACQUEMET, Bordeaux (Gironde).—Spun wool for knitting.
- 1996 LAURENÇOT, E. Brush Maker, 8 Rue Neuve Bourg l'Abbé, Paris.—Brushes of all descriptions in ivory, bone, and buffalo horn.
- 1997 LAURENT, F. Carver, 96 Rue Ménilmontant, Paris.—Ornaments for framework, mosaic, and parquetry work for floorings.
- 1998 LAVERGNE & MATHIEU DIT VERGER, Silk Throwsters, Uzès (Gard).—Silk spun from cocoons on the system of Verger. The same silk, wrought and thrown.
- 1999 LAVOISY, A. D. 180 Rue Montmartre.—Three churns.
- 1900 LEBEL, L. Soissons (Aisne).—Tow-boat.
- 1901 LERLOND, J. D. 6 Rue St. Louis, Au Marais, Paris.—Lay-figures of men and women, for artists.
- 1902 LEROUX, N. 17 Rue Chapon, Paris.—Gelatine in white and coloured leaves.
- 1903 LECOQ, P. Glove Maker, 50, 52, 54 Passage du Saumon, Paris.—Kid gloves, of various colours.
- 1904 LECOQ & KIENKA, Manufacturers, Billon (Puy de Dôme).—Earthenware and various specimens of ceramic art.
- 1905 LE CROISIER, M. L. Oil Cloth Manufacturer, 7 Rue Bourg l'Abbé; manufactory at Bourget (Seine).—Gummed silks and oil-cloth.
- 1906 LECUS & Co. Carpet Manufacturers, Nimes (Gard).—Carpets of all descriptions.
- 1907 LEDRENY, C. Looking Glass Manufacturers, 21 Rue de la Michaudière, Paris.—Mirrors, with gilt and carved frames.
- 1908 LEVAOCHOUX, 37 Rue Vivienne, Paris.—Different sorts of guns.
- 1909 LEFÈVRE DUCATTEAU, BROTHERS, Manufacturers, Roubaix (Nord).—Figured woollen textures for waistcoats. Fancy articles.
- 1911 LEFÈVRE, —, 21 Rue Beaumont, Paris.—Frame with fancy papers.
- 1912 LEFÈVRE, E. Georolles (Côte d'Or).—Wool in tufts.
- 1913 LEGRAND, D. Manufacturer, Avennes les Aubert (Nord).—Cambrics and lawn; samples of hand-spun thread.
- 1914 LEFEVRE, E. Hat Manufacturer, 251 Rue St. Honoré, Paris.—Felt and silk hats perfectly waterproof.
- 1915 LEMAIRE, —, Maker of Ornaments for Furniture, 2 Place du Calre, Paris.—Bed-stretcher; window ornaments; curtain-arms, &c.
- 1916 LEMAIRE, B. Manufacturer, Pontfaverge (Marne).—Merino textures, raw and dyed, of fine quality.
- 1917 LEMIRE, & SOY, Manufacturers of Silks, Lyons (Rhône).—Figured silks, lampas, damasks, &c.

- 1818 LEROLLES BROTHERS, 3 Chaussée des Minimes, Paris.—Bronze clocks, chandeliers, cups, lamps, &c.
- 1819 LEROUX, P. J. Vitry.—Chemical products.
- 1820 LEROY SOYER, W. Glass Manufacturer, Masnières, near Cambrai (Nord).—Bottles of various shapes.
- 1821 LESNIEUX & SON, Manufacturers, Bethel (Ardennes).—Merino textures, raw and dyed.
- 1822 LETILLON, F. L. G. 47 Rue des Noyers, Paris.—Varnishing and ornamental painting. Painting in imitation of marble, &c.
- 1823 LEVEN & SON, 43 Rue de Loureine, Paris.—Tannery. Green calf-leather from the Abattoirs, in Paris.
- 1824 LEVENT BROTHERS, Manufacturers, Bethel (Ardennes).—Merino textures, raw and dyed.
- 1825 L'HOLLIER, E. Feather Manufacturer, 86 Rue St. Martin, Paris.—Various kinds of feathers for mantel-pieces, head-dresses; clocks; screens in peacock feathers.
- 1826 LIENARD, M. J. Carver on Wood, Rue Plumes, Paris.—A carved walnut-wood clock, representing a boar-hunt. Bas-relievo.
- 1827 LEON BROTHERS, & Co. Shawl Manufacturers, 9 Place des Petits Pères.—Brocaded woollen or cashmere scarf and square shawls.
- 1828 DU LISCOET, SON, & Co. Alimentary Producer, 43 Rue Barbes de Soury, Paris.—Samples of biscuit-beef.
- 1829 LODDE, —, Feather Manufacturer, 50 Rue Bourg l'Abbé, Paris.—Plumes of feathers, and screens of all kinds. Various specimens of feathers.
- 1830 LOLAGNIEU, —, 6 Rue St. Hippolyte.—Kid, lamb, and sheep-skins.
- 1831 LUCAS BROTHERS, Spindlers and Manufacturers, Bazancourt (Marne).—Samples of spun yarn, and merinos.
- 1832 LOCK, P. N. Looking-glass Maker, Versailles (Seine and Oise).—A mantelpiece ornamented with mirrors.
- 1833 LUER, A. Surgical Instrument Maker, 19 Place de l'École de Médecine, Paris.—Surgical instruments.
- 1834 MAHIRE, SON, Agriculturist, Bouen (Seine-Inférieure).—Winter cereals; red wheat (Spalding); red and white Russian wheats.
- 1835 MACHÉ, J. M. Corset-maker, 5 Rue Neuve St. Augustin, Paris.—Tuck corsets; silk corsets; tick belts.
- 1836 MACHET, M. Manufacturer of Tissues, Rheims (Marne).—Woollen tissues; worked and spotted flannels.
- 1837 MAONIE, J. V. Clermont Ferrand (Puy de Dôme).—French alimentary pastes, and flours. Specimens of hard red wheat.
- 1838 MAILLARD, F. Furniture Manufacturer, 21 and 23 Rue Notre Dame de Lorette, Paris.—Beds; mechanical sofa-bedsteads, &c.
- 1839 MAILLE & SEGOUD, 14 Rue St. André des Arts, Paris.—Vinegars, mustards, and fruits preserved in vinegar.
- 1840 MALLAT, J. B. Jeweller and Watchmaker, 5 Rue Neuve St. François, Paris.—Mechanical clock. Hoop-dancer. Everlasting pens.
- 1841 MANJOUET, N. Cloth, Leather, and Wool Manufacturer, Vienna (Isère).—Cloths, leather, wool, and fancy articles.
- 1842 MANSARD, Ceramic Manufacturer, 83 Rue Richelieu, Paris.—Ornamented stoneware.
- 1843 MARTIN, J. P. & CAMIER, Vevay (Rhône); and Metz (Moselle).—Silk plush for bonnets and hats.
- 1844 MARY & Co. au Vigan (Gard).—Two lithographic stones, one polished on both sides.
- 1845 MARSCHER, C. L. Tanner, 28 Rue de la Reynie, Paris.—Calf-skins, glazed calf-skins, pair of leggings, upper leather, and Clarence boots.
- 1846 MASSÉ, W. TRIBOULET, & Co. Chemical Producer, Neuilly-sur-Seine.—Stearic acids: Wax candles, &c. Patented in England.
- 1847 MASSÉ, 24 Rue Aubry le Boucher, Paris.—Boots, shoes, buskins, and slippers.
- 1848 MASSON, E. 8 Place St. Michel, Paris.—Preserved meats.
- 1849 MATHÉRON & BOUVARD, Manufacturers, Lyons (Rhône).—Figured silks: for upholstery, dresses, and waist-coats.
- 1850 MATHIAS, L. A. Bookseller, 15 Quai Malaquais, Paris.—Objects appertaining to the Scientific Industrial Library.
- 1851 MATHIEU E. 132 Rue Montmartre, Paris.—Designs for manufactures. Designs for Cashmere shawls, brocaded and printed.
- 1852 MEIER, F. Shoe and Boot Maker, 17 Rue Tronchet, Paris.—Half boots, slippers, and shoes of various kinds.
- 1853 MEJEAN, A. Silk Spinner, Lyons (Rhône).—Zephyr and grenadine silks. Organzine mantles. White and yellow raw silks.
- 1854 MERCIER, Manufacturer of Passementery, 21 Rue d'Anjou, Au Marais, Paris.—Furses, cash boxes, reticules, and fancy articles.
- 1855 MESSIER, M. A. Noyon (Oise).—Four oil paintings, three of which were copied by a mechanical process from the fourth, which served as a model.
- 1856 MIZO, J. D. Perfumer and Distiller, à Grasse (Var).—Various essential oils and perfumery.
- 1857 MEURER & JANDIN, Manufacturers of Silks, 24 Rue Nationale, Lyons (Rhône).—Pieces of printed silk handkerchiefs. Dresses and Indian tissues.
- 1858 MOISON, F. C. Apothecary, Mouy (Oise).—Model of a regulator for an hydraulic wheel.
- 1859 MOLIN LESOECY, Madame, Ribbon Manufacturer, 36 Rue Neuve des Petits Champs, Paris.—Collars, cravats, rosettes, ribbons for orders, &c. Patented.
- 1860 MONTREMY & CHOMER, Manufacturers of Silks, 25 Place de la Comédie, Lyons (Rhône).—Plain silks: tartan silk, muslin silk, crape, English crape, &c.
- 1861 MORÉAU, A. U. Paris.—Oil for harness, and neat's foot oils. Soaps, railway grease, and waterproof fabrics.
- 1862 MORISSEUX, F. Button and Trimming Manufacturer, 31 Rue Moudétour, Paris.—Galloons and silk buttons.
- 1863 MOURGUE & BOUSSIER, Silk Throwster, St. Hippolyte du Fort (Gard).—A box containing four skeins of raw silk, and four samples of organzine.
- 1864 MOUTIER LE PAOT, Gunsmith, 11 Rue Richelieu, Paris.—Guns, carbines, pistols, swords, &c. Damascus sword blades, and shields.
- 1865 MULLER, T. A. Organ Builder, 43 Rue de la Ville l'Evêque, Paris.—Two travelling organs.
- 1866 MIZARD, L. Engine Maker, 22 Rue Buffault, Paris.—Machine for the preparation of silk.
- 1867 NATIONAL MANUFACTURE OF BEAUVON, Beauvois (Oise).—Furniture tapestry (for elbow chairs, chairs, sofas, screens). Carpets.
- 1868 NATIONAL MANUFACTURE OF GOBELINS, Paris; Dépôt in London, 13 George St. Hanover Sq.—Tapestry known as de la Savonnerie. Carpets.
- 1869 NATIONAL MANUFACTURE AT SEVRES OF PORCELAIN AND STAINED GLASS, Dépôt in London, 13 George St. Hanover Square.—Pictures and copies of pictures of the great masters done by various artists attached to the Sevres manufactory. Vases, painted and ornamented. Artistical articles of china furniture. Complete services for tea and coffee. Various articles; enamels. Cups with paintings, in enamel, by various authors.
- 1870 NACHER, 16 Rue Serpente, Paris.—Micrographic instruments.
- 1871 NILLON, —, Engine Builder, Gravelle (Seine Inférieure).—Sugar-cane crushing machine.
- 1872 NOY, F. Alimentary Preserver, 42 Quai de Retz, Lyons.—Ten jugs of vermicelli, chestnuts, and potatoes.
- 1873 NYST & Co. 133 Faubourg du Temple, Paris.—Japanned calf leather for boots and shoes.

- 1874 OUDARD, L. SON, & BOUCHEROT, 42 Rue des Lombards, Paris.—Fruits preserved with steam, and confectionery.
- 1875 OUDIN & Co. St. Herblain, near Nantes (Loire-Inférieure).—Solidified milk.
- 1876 OUDIN, J. A. F. 29 Quai de la Fosse, Paris.—Butter preserved with or without salt.
- 1877 PALLETTE, P. Brush-maker, 29 Rue du Grenier St. Lazare, Paris.—Hair and clothes brushes, in wood, buffalo, horn, and ivory; fancy brushes.
- 1878 PABER, M. Woollen-cloth Manufacturer, Sedan (Ardennes).—Broad cloths; kerseymere; satins.
- 1879 PABER, C. E. 111 Rue de Berry, Paris.—Samples of galvanised iron sheets; enamels in a rough state.
- 1880 PATRIAN, C. Manufactory, Rheims. Dépôt, Paris.—Woollen and cotton fabrics, for waistcoats, cloaks, dresses, &c.
- 1881 PATURNE, LUPIN, SETDOUX, SIEKES, & Co. Dépôt, Paris. Manufacturer.—Pure wool and woollen and silk fabrics. Barège, muslin, merinos, summer materials.
- 1882 PAUZELA, A. 179 Faubourg Poissonnière, Paris.—A gas moderator, and a retort for the use of gas-works.
- 1883 PELLEBIN, C. A. 18 Cour des Petites Ecuries, Paris.—Melophones of various kinds.
- 1884 VERTOGOT & CHASSANG, 21 Rue de Gobelins, Paris.—Leather. Legs of boots; upper leather for shoes; black and japanned calf leather.
- 1885 PEROT, G. G. 13 Rue des Portes.—Compositions and models of ornaments for jewel engravers.
- 1886 PERROT, PETER, & Co. Artificial Flower Manufacturers, 12 Rue de la Bourse, Paris.—Artificial flowers in Russian paper, straw, and feathers.
- 1887 PETRON, S. Quimperlé (Finistère).—Beech-sieve hoops.
- 1888 PICHARD, A. F. Jeweller, 26 Rue des Blancs, Mantoux, Paris.—Ornaments for head-dresses; articles of jewellery; imitation of gold and precious stones.
- 1889 PICOOT, E. Cotton-spinner, Monville (Seine-Inférieure).—Bundles and cops of unbleached mule yarn.
- 1890 PIEDAGNEL, Mlle. BLANCHE, 9 Quai Voltaire, Paris.—Copy on porcelain of the Virgin of Sasso Ferrato.
- 1891 PIMONT, —, Engine Builder, St. Leger du Bourg Denis (Seine-Inférieure).—Patent heating apparatus.
- 1892 PINOINET, A. L. Wood-carver, 34 Rue St. Marguerite, St. Germain.—A carved chair.
- 1893 POURCEL, —, Velaro-sur-Ouche (Côte d'Or).—Articles of pasteboard.
- 1894 PLASSE, —, 67 Rue St. Honoré, Paris.—Patent water-jets.
- 1895 FLON BROTHERS, 36 Rue de Vaugirard, Paris.—Printed books, albums, plans, almanacks, and engravings.
- 1896 DE POILLY & Co. Folembray Glass-works, near Coucy (Aisne).—Various specimens of bottles, glasses, and glass-wares.
- 1897 POISSONON, —, 23 Rue Neuve St. Martin, Paris.—Imitation, tortoiseshell combs.
- 1898 POIRIER, P. Shoemaker, Châteaubriand (Loire-Inférieure).—Watertight boots and shoes, and gaiters, for sportsmen.
- 1899 POISAT, UNCLE, & Co., 19 Rue d'Enghien, Manufactory, La Folie Nanterre (Seine).—Chemicals and models of apparatus, for distillation, with metallic bath. Patented in France and England.
- 1900 POMMIER, P. 22 Rue Neuve Coquenard, Paris.—Chemical produce; varnish for carriages.
- 1901 PORONIE L. 5 Rue Neuve St. François, Au Marais, Paris. Dépôt in London, 20 Red Lion Sq.—Clocks of all descriptions.
- 1902 POTTON, RAMBANT, & Co. Manufacturers, 18 Rue Lafont, Lyons (Rhône).—Figured silk stuffs; damask cravats; mounted parasols, &c.
- 1903 POWSON, —, Manufacturer, 21 Rue des Deux Angles, Lyons (Rhône).—Plain silks of various colours.
- 1904 POPULIN, D. 137 Boulevard de l'Hospital, Paris.—Artificial charcoal.
- 1905 POUSSIELOUX, R. P. Producer, 34 Rue Castelle, Paris.—Chandeliers, shrines for relics, lamps, monstrances, trays, ewers, chalices, &c.
- 1906 PRADIER, J. Silk-spinner, Annonay (Ardèche).—Raw white silks.
- 1907 PRADIER, J. Sculptor, Member of the Institute of Paris.—Marble and bronze statues.
- 1908 PRADINE & Co. Woollen yarn spinners, Rheims (Marne).—Specimens of woollen yarn combed and spun by machinery.
- 1909 PRENSLER, J. F. V. 20 Rue St. Fiacre, Paris.—Printing designs for handkerchiefs, dresses, &c.
- 1910 PRETOR, L. H. E. 3 Rue Harley, Au Marais, Paris. Articles of furniture, &c.
- 1911 PRIN & SON, Tanner and Currier, Nantes (Loire-Inférieure).—Black and yellow calf-skins, for exportation.
- 1912 PRUDENT, L. Optician, 29 Rue du Ponceau, Paris.—Tortoiseshell and horn opera-glasses.
- 1913 PUJADE, J. Physician, Amélie les Bains, near Arles-sur-Tech (Pyrenées Orientales).—Medical apparatus.
- 1914 PUZIN, —, Manufacturer, Beaumont (Seine and Oise), Dépôt, 135 Rue St. Denis, Paris.—Lace and trimmings for coach-lining. Lace for liveries. Designs for armorial bearings.
- 1915 QUERU, A. & Co. Designer, 14 Boulevard Poissonnière, Paris.—Designs for all sorts of prints; woven carpets; embroidery.
- 1916 RABOURDIN, —, Manufacturer, 88 Rue des Marais-St. Martin, Paris.—Braces; garters; silk and india-rubber fabric.
- 1917 RAGUENET, R. 9 Rue des Capucins, Paris.—Cast-steel carding-combs; patented in France.
- 1918 RAME, B. Rue Croix des Petits Champs, Paris.—Bound books: The Hotel de Ville (Town Hall) of Paris; Church of St. Eustace; Streets of Paris; Encyclopædia of Architecture.
- 1919 RAMEL, J. M. 33 Rue de l'Ouest, Paris.—Marble group.
- 1920 RANDOING, —, Abbeville (Somme).—Cloths.
- 1921 RASTROU, —, Engine-worker, Blois (Loire and Cher).—Patent regulating screw for carriages.
- 1922 RAUCHER, L. jun. Manufacturer of Animal Manure, Saumur (Maine and Loire).—Specimens of manure.
- 1923 RECV, C. M. H. St. Omer (Jura).—Opaque and transparent "tetrageons; porrographes."
- 1924 REDELIX, H. 23 Rue Notre Dame de Nazareth, Paris.—Screw buttons, fastened without sewing.
- 1925 REDIER, A. Clock Maker, 2 Rue de Chatelet, Paris.—Clocks and other instruments; double chronometer used in the navy. Patented.
- 1926 REGARD BROTHERS, Silk Spinners, Darbes (Ardèche).—Cocoons, raw and wrought silk, for silk and plush stuffs.
- 1927 REONY, L. & Co. Lime Works, Loquefort, La Nerthe (Aries); Dépôt, Marseilles (Bouches du Rhône).—Hydraulic lime and cement.
- 1928 REICHMANN, A. Manufacturer, 21 Rue St. Benoit, Paris.—A roll of paper squared in thousandths of an inch for the reduction of designs of patterns.
- 1929 REICHMANN, A. Paper Manufacturer, 21 Rue St. Benoit, Paris.—Paper in rollers, divided into squares, for reducing designs. Patented.
- 1930 RENDON, E. St. Jean de Valeriscles (Gard).—Raw silk, and twisted silk for satin.
- 1931 RENARD, L. 54 Rue des Gravilliers, Paris.—Black varnish and cop.

- 1432 REPOUET & SILVEST**, Manufactures, Place de la Croix Caquet, Lyons (Rhône). Silks for waistcoats; gileons, veivots, and silk trimmings.
- 1433 REQUILLANT, ROUSSEL, & CROCOQUEL**, Carpet Manufacturers, Tourcoing (Nord); and 20 Rue Vivienne, Paris.—Carpet and fine moquette, curtain and panel, &c. Specimens of combed wool merinos.
- 1434 REYLOS, A. J.** Tanner and Currier, 15 Rue Geoffroy St. Hilaire, Paris.—Curried horse-hide straps.
- 1435 REYRIER COUSINS**, Silk Manufacturers, 19 Rue Fuits Gaillet, Lyons (Rhône).—Neckerchiefs, shawls, and collars of various kinds of stuffs.
- 1436 RICHER, Madame**, Corset Maker, 323 Rue St. Honoré, Paris.—Silk and tick corsets.
- 1437 RINGUET-LEFRINCE, A. E.** 9 Rue Caumartin, Paris.—Medal cabinet of ebony and carved pear-tree wood. Decorative furniture.
- 1438 RINLER & SOX**, Cerney (Haut-Rhin).—A machine, called "a depurator," with a frame containing the produce of that machine.
- 1439 RIVART & ANDRIEU**, Manufacturer, 1 Rue de Normandie, Paris.—Furniture, inlaid with porcelain.
- 1440 ROBERT, A. & Co.** Metal Refiners, La Villette, near Paris (Seine).—Plate, small ingots, pieces and ingots, forged in brass. Ingots of pure tin. Pewter box. Roll of tin-foil for looking-glasses, &c.
- 1441 ROBERT, G.** Manufacturer, Pontfaverger (Marne).—Unbleached and dyed merino fabrics.
- 1442 ROBERT, F. C.** Lace Manufacturer, 25 Rue de Cléry, Paris.—Worsted lace of all colours; guipure silk lace, black and white worsted ribbons.
- 1443 ROBERT, M.** Manufacturer, Pontfaverger (Marne).—Unbleached and dyed merino fabrics.
- 1444 ROBERT, W. & Co.** Stay Makers, Bar-de-Duc (Meuse).—Seamless stays, a new system.
- 1445 ROUCHON, BROTHERS & Co.** Window Glass Manufacturers, at Givors (Rhône).—Window-glass of various colours.
- 1446 ROECK, L.** Machine Maker, 10 Rue du Griffon, Lyons (Rhône).—Silk-meter, to ascertain the different qualities of raw and wrought silk.
- 1447 ROBIN, L.** Bronze Manufacturer, 32 Rue Grénetat, Paris.—Various articles in bronze, cups, bells, &c.
- 1448 ROGER & SOX**, Manufacturers of Millstones, Leferté Sous Jouarre (Seine and Marne).—Tiles; millstones; draining tiles.
- 1449 ROGER BROTHERS, & Co.** Wool Spinners, Trie-Château (Oise).—Assortment of woollen threads.
- 1450 ROISARD, J. M.** Cutler, 56 Grande Rue, Finistère, Brest.—Various specimens of cutlery; surgical instruments.
- 1451 ROYCHARD, S.** Gunsmith, St. Etienne, (Loire).—Double barrel, fifteen shades.
- 1452 ROZELET, C. P.** 3 Rue de la Madeleine, Paris.—Gold reviving fluid for renovating gilding, lace-work, stuffs and silks, &c.
- 1453 ROSETT & NORMAND**, Cashmere Manufacturers, 48 Rue Vivienne, Paris.—French long and square cashmeres; black Chantilly lace, and Alençon point lace.
- 1454 ROSWAN, A. & SOX**, Metallic Cloths. Manufacturers, Schlestadt (Bas Rhin).—Metallic cloths and gauzes; pierced and cut sheet-iron and brass, &c.
- 1455 ROUOT DE LIELE, T. A.** 25 Rue des Vinaigriers, Paris.—Apparatus for the composition of designs for fabrics.
- 1456 ROUOT, SOX & Co.** Carriers, Chateaux near Nantes (Loire-Inférieure).—Two thick hides, and two shoulder belts.
- 1457 ROUSSEAU BROTHERS**, Sugar Boilers, 9 Rue de l'École de Médecine, Paris.—Sugar loaves (unrefined). Patented in England.
- 1458 ROUSSEL & DAËIN**, Manufacturers, Roubaix, (Nord).—Woollen satin stuffs for dresses.
- 1459 ROUSSELOT & BARROWER**, Manufacturers, Betheniville (Marne).—Unbleached and dyed merino fabrics.
- 1460 ROUVENAT, L.** Jeweller, 62 Rue Hauteville, Paris.—Ornaments, bracelets, head-dresses, swords, and other articles of jewellery, gold and diamonds.
- 1461 ROYER, J. C. A.** 55 Quai de la Tournelle.—Gelatine leaves of all colours.
- 1462 ROYER, P. E.** 6 Rue de Caire, Paris.—Artificial foliage.
- 1463 RUAUD, J. B.** China Manufacturer, Limoges (Haute-Vienne).—Wrought specimens of earthenware, chinaware, statuettes, vases, &c.
- 1464 ROAS & Co.** Silk Spinners, St. André de Valborgne (Gard).—White and yellow raw silk.
- 1465 RUDOLPH, —.** Silversmith, 3 Rue Tronchet, Paris.—Various objects of silversmith work and jewellery; fancy works, &c.
- 1466 DE ROULZ**, Paints and Hydrofuge Coatings, 53 Rue de Verneuil, Paris.—Paints, oils, and other articles.
- 1467 SABATIER, H.** 65 Palais National, Paris.—Daguerreotype portrait.
- 1468 SAGET, W.** 17 Rue St. Elizabeth, Paris.—A sideréal light-house; a lantern with regular reflectors; various patterns of lanterns for locomotives, for signals, and hydraulic cranes, and reflecting hose. Sideréal lamp. Patented in England.
- 1469 SALLANDROUZE DE LANORNAIX**, Manufacturer, (formerly Royal Manufactory of Carpets at Aubusson), 23 Boulevard Poissonnière, Paris. Dépôt, 13 George Street, Hanover Square, London.—Velvet carpets and tapestry; yarn combed at Fittetin; carded woollen yarn, and carpet woven at Morissart.
- 1470 SAMBUR, P.** Silk Spinner, Vaison, (Vaucluse).—White and yellow raw silk.
- 1471 SARRAN, H. & DUPOUX**, Sauve (Gard).—Hames for horse-collars.
- 1472 SAUVAGE, R. & Co.** 5 Rue St. Polycarpe, Lyons.—Stuffs of different shades, mohair, taffetas, &c.
- 1473 SAUTRET & SOX**, Manufacturers, Betheniville (Marne).—Unbleached and coloured merinos.
- 1474 SAUTREUIL, —, jun.** Manufacturer of Joiner's Work, Fecamp (Seine-Inférieure).—Planing and moulding machine.
- 1475 SAUVAGE & Co.** Manufacturer of Silks, 5 Rue St. Polycarpe, Lyons (Rhône).—Figured silks, of various descriptions.
- 1476 SAVARD, —,** Jeweller 23 Rue St. Gilles, Paris.—Locketts, chains, brooches, bracelets, &c. lined with gold; snuff-boxes, gorgets, and other ornaments, &c.
- 1477 SAVARESE, P.** 43 Rue des Marais, Paris.—Apparatus for gaseous waters.
- 1478 SAVARESE, J. F. & SOX**, Musical String Maker, 223 Rue St. Martin, Paris.—Violin, bass-viol string, &c. Artificial flowers.
- 1479 SCAMPE, P.** Manufacturer, Roubaix (Nord).—Twilled pure cotton fabrics.
- 1480 SCHLOSS, WIDOW, & BROTHER**, Portfolio Manufacturer, 15 Rue Chapon, Paris.—Portfolios, cash-boxes, cigar-holders, and steels (patented in England). Baskets, knapsacks, and trusses.
- 1481 SCHLUMBERGER, jun. & Co.** Cotton Printers, Chann (Haut-Rhin).—Printed cottons, and woollen and cotton prints.
- 1482 SCHULTZ, —,** Piano Manufacturer, 1 Rue Blus, Paris.—Two upright pianos.
- 1483 DE SERIGNY, LOUIS & Co.** Manufacturers of Porcelain Knobs, 32 Belleville, near Paris.—Porcelain knobs, white and coloured. Patented in England.
- 1484 DE SERLAY, C. G.** Gueurs (Seine-Inférieure).—Paper.
- 1485 SERRET, HANOIR, DUGOENNE & Co.** Sugar Manufacturers, Valenciennes (Nord).—Collection of beetroot products.

1496 SATEUX, Preserver, 10 Rue Taranne, Paris.—Samples of preserved food, in flasks and packets.

1497 SGAULT, —, Preserver, 23 and 25 Rue de la Vieille Menaisie, Paris.—Rheims biscuits, dried pastry and ginger-bread.

1498 SILKEMANN, G. A. H. Strasbourg (Bas-Rhin).—Designs for window-panes. Ornamental printing in colours, gold and silver; fancy editions.

1499 SIMON & HENRY, 179 Rue St. Honoré, Paris.—Fiddle-sticks for violins and violoncelli, in tortoiseshell or ebony, bordered with gold and silver.

1490 SOUBEYRAUD, L. St. Jean du Gard. Silk cords and raw and wrought silk.

1491 SOUGNON, Jean Marie, Chemist, 111 Rue Montmartra.—Prussian blue, called Souchon.

1492 SEULES, Mms. Hyppolite, Corset Manufacturer.—21 Rue de la Michaudière, Paris. Two Corsets.

1493 SOUARD, A. Wool Spinner, Tenay l'Ain.—Specimens of washed, combed, and reeled wool.

1494 SROTZ & SON, Machine Maker, 10 Rue de Boulogne, Paris. Models of steam-engines, rivetting, and hydraulic machines.

1495 ST. USKY, Tarbes (Haute-Pyrénées). Specimens of indigenous woods, prepared for cabinet work.

1496 TABOURDEAU, P. Cutler, Moulins (Allier). Knives with several blades; carving-knife; a complete flower-stand, &c.

1497 TACHY, A. & Co. Manufacturers, 24 Rue Dauphina, au Père de Famille, Paris. Needles for blind people.

1498 TERRASSON DE MONTLEAU, J. A. St. Estèphe (Charente). Wool in fleeces.

1499 THÉRET, J. Mosaic Manufacturer, 36 Rue des Saints Pères, Paris. Articles of furniture, mantelpieces, clocks, pictures, &c.

1500 THEVRENT, RAFFIN, & ROUX, Manufacturers of Silks 30 Rue Romarin, Lyons (Rhône). Silk shawls; China crape; watered Pekin, figured.

1501 THÉRAUD-DALLEY, EMILIE, Clermont Ferrand (Puy de Dôme).—Church windows in different styles.

1502 THÉBAULT BOULEVY, H. Cinq Mars la Pile (Indre and Loire).—Mill-stones, floor-tiles, panels, and drain-tiles.

1503 THÉBAULT, D. Manufacturer, Clermont (Puy de Dôme).—Painted glass window.

1504 TRIEWEST, F. 132 Rue Montmartre, Paris.—Wind instruments in wood, flutes, hautbois, &c.

1505 TRIER, —, Engineer and Machine-maker, 39 Passage Choiseul, Paris.—Surgical instruments. Patented in England.

1506 THIERRY, M. Manufacturers of Printed Stuffs, Mulhouse (Haut Rhin).—Various kinds of printed cashmeres.

1507 TORDEUX, A. J. Manufacturer of Animal Black, Cambrai (Nord).—Samples of animal black.

1508 TOUAILLON, C. 12 Rue Coquillière, Paris.—Mill-stones; and a dressing machine.

1509 TOURNIEUR, —, 39 Rue Richelleu, Paris.—Specimens of coffee-roasting.

1510 TREBEST, F. Musical Instrument-maker, 132 Rue Montmartre, Paris.—Musical instruments.

1511 TROCCON, A. Manufacturer of Silks, 14 Rue des Capucins, Lyons (Rhône).—Shawls and cravats, of various silk stuffs.

1512 TRONCHON, N. Avenue St. Cloud, Passy, near Paris.—Iron articles of furniture for apartments and garden ornaments.

1513 TROUVE, A. Sculptor, 5 Passage Violet, Paris.—Frames decorated with ornaments in papier maché ornaments in sulphur.

1514 VALANSON, —, Manufacturer of Silks, Lyons (Rhône),

and 4 Rue Fruits Gaillet, Paris.—Plain silks: gros de Naples, and taffeta.

1515 VALANT, P. T. Stationer, 23 Rue de Seine, Paris.—Fancy stationery; envelopes cut by machinery, &c.

1516 VAN HALTVOVER, P. 28 Faubourg St. Antoine, Paris.—A cupboard with mirrors; bedsteads; chests of drawers in rosewood with marbles.

1517 VASTILLARD & Co. Pin Manufacturers, L'Aigle (Orne).—Iron pins, tinned by a process patented in France and England.

1518 VASTILLARD, V. & Co. Pin Manufacturers, Neouvel près L'Aigle (Orne).—Iron pins, tinned by a particular process; patented in France and England.

1519 VERDET & Co. Avignon (Vaucluse).—Samples of wrought silk and organzine.

1520 VESOU BROTHERS, Ligugé (Poitiers), Vienne.—Specimens of gutta.

1521 VIAUD, L. 54 Rue St. Martin, Paris.—Various samples of colours and varnish.

1522 VILLEBOIS, —, Civil Engineer and Musical Instrument-maker, 3 Rue Pavée St. André, Paris.—New musical instrument.

1523 VILFELLE, J. Montereau-sur-Yonne (Seine and Marne).—Steel dagger.

1524 VIGNAT BROTHERS, St. Etienne (Loire).—Silk ribbons.

1525 VINCERT, H. 14 Rue Neuve St. François (Marais), Paris.—Specimens of mouldings, &c.

1526 VINCERT, J. Silk Spinners, Valleraige (Gard).—White and yellow raw silk.

1527 VINCERT, J. Quai des Tanneurs, Nantes (Loire Inférieure), Nantes.—Boot legs and upper leather for the feet of boots.

1528 VIOLETTE, J. H. M. St. Omer (Pas de Calais).—Ship-biscuits baked by immersing the stone or the dough in high pressure steam; charcoal obtained by immersing wood in the same; mercury distilled by the same process for amalgamating it with gold or silver.

1529 VIVIER & Co. Manufacturers of Silk, 1 Rue Croix Paquet, Lyon (Rhône).—Moire (watered) stuffs, velvets, &c., and nouveautés of all descriptions for waistcoats.

1530 VITTEZ, —, 10 Rue des Filles du Calvaire, Paris.—Artistic bronzes, chimney ornaments, clocks, chandeliers, vases; cups and lustres.

1531 VOIZOT, E. 32 Rue Bourg l'Abbé, Passage de l'Ancre, Paris.—Polished steel, and false stones for jewellery.

1532 VOLKERT, —, Cabinet-maker, 99 Rue du Faubourg, St. Antoine, Paris.—Veneering, on inlaid panels.

1533 VORUZ, J. S. sen. Nantes (Loire Inférieure).—Railway carriage cushion.

1534 YOU, Widow, 9 Rue Neuve Sigale, Montmartre, near Paris.—Sculptured medallions; religious subjects.

1535 ZADIG, J. B. Fancy Silk Article Manufacturer, 28 Rue du Sentier, Paris.—Gauzes, barèges, shawls and scarfs; fancy silks.

1536 ZUBER, J. & Co. Rixheim (Haut Rhin).—White paper, paints, and artificial ultramarine.

1537 AGRICULTURAL SOCIETY OF LYONS (Rhône).—Spun silk and cocoons.

1538 ALCON, H. Manufacturer of Albumen, Annonay (Ardèche).—Natural produce; albumen from eggs.

1539 ALLARD & CLAY, Soap Boilers, Paris, 317 Rue St. Denis.—Liquid soaps, and other necessities for perfumery.

1540 ANDELLÉ, G. & Co. Bottle Manufacturer, Epinais (Saône et Loire).—Various samples of bottles.

1541 ANTHELME, — (Aisne).—A lump of potash.

1542 ARNOUX, C. Coach-maker, 25 Rue du Mont Parasse, Paris.—Coaches and carriages, on the scale of 1 inch to 5 inch. Patented.

- 1543 AVIGNAN, C. TOURS (Indre and Loire).—Enamelled potteries, a large rustical goblet, &c.
- 1544 AUBRY BROTHERS, Lace Manufacturers, 33 Rue des Jeûneurs, Paris.—Dress, shawl, handkerchief, tippet, lace-lappets, piece of lace, application-lappets.
- 1545 AUDIAT, F. Lace Manufacturer, 22 Rue du Mail, Paris.—Embroidered tulle; imitation of lace and applications.
- 1546 BERRIGERS, B. Gunsmith, 6 Rue du Coq St. Honoré, Paris.—Five fowling pieces of various prices.
- 1547 BERNARD, L. Gunsmith, 13 Rue Villejurt, Passy (Seine).—Damascus gun and pistol barrels.
- 1548 BERSOVILLE, L. & C. Manufacturer of Woollen-tissues, 28 Rue des Jeûneurs, Paris.—Combed-wool; woollen-yarns; unbleached and dyed tissues; printed and figured. Manufactured in four distinct establishments belonging to the expositors.
- 1549 BERTAUD, — jun. Optician, 32 Rue de Bretagne, Paris.—Experimental crystals, sapphire, quartz, and crown prisms, achromatic objectives, &c.
- 1550 BILLIET & HUOT, 43 Rue du Sentier, Paris.—Combed-wool and woollen-yarn.
- 1551 BLANQUART, E. Lille (North).—A frame containing lithographic proofs.
- 1552 BLAQUIERE, J. M. Card Manufacturer, 6 Rue Neuve St. Augustin, Paris.—Parisian playing cards; new kind of playing cards.
- 1553 BOURGOONE, A. Lamp Manufacturer, 3 Rue du Havre, Paris.—Lamps, with moderator and warning chime.
- 1554 BOYER, —. 22 Rue de la Paix, Paris.—Vases, cups, pictures, and baskets of various kinds.
- 1555 BRITON, —. Musical Instrument Manufacturer, 28 Rue Jean Jacques Rousseau, Paris.—Crystal and wooden flutes, on Boehm's principle, and common flutes; wooden clarinet, on Boehm's principle.
- 1556 CAHAY, A. Manufacturer of Artistic Cabinet Work, 30 Rue de la Paix, Paris.—Furniture, book-cases, flower-stands, coffer, tea-caddies, cigars and whisk cases, &c.; canes, watch-stands, clocks, writing-desks, folding-stools, &c.
- 1557 CAIL & Co. Machine-maker, 46 Quai de Billy, Paris.—A locomotive engine for goods. An apparatus to take in the vacuum for sugar, with its steam-engine, a coining press, and several other machines or apparatus.
- 1558 CHALLOUX, LEPAGE & FOCHEO, Brooders of Bees, Paiseaux (Loiret).—A cask of honey, and a box of saffron.
- 1559 CHEVRENIERE, T. Cloth Manufacturer, Eibeuf and Louviers (Seine-Inférieure).—New fancy materials for trousers, gowns, cloaks, and linings. Plain, twilled, pilot, beaver cloths, and impermeable cloths.
- 1560 MIMOUX, CHERIF BEK, Weaver, Boniabat, Constantine.—A white abessi bourgeois.
- 1561 CHRETIEN, M. T. Mosaic Manufacturer, Amiens (Somme).—A mosaic representing a head of Christ.
- 1562 CHRISTOFFLE & Co., Gold and Silversmiths, 56 Rue de Bondy, Paris.—Large tea urn, cup and saucer, milk-jug, and other articles of gilt and silvered ware.
- 1563 CLICQUOT, —. Courbevoie, près Paris (Seine).—A frame containing engravers' tools.
- 1564 COLIN, J. R. Marble-cutter, Epinal (Vosges).—Polished marbles, granites, and serpentine.
- 1565 COMMERCIAL CHAMBER OF LYONS (Brosset, Elder, President).—Damaska, gros de tours, brocatelles, droguets, and various other silk stuffs.
- 1566 COUDRE, A. Designer, 67 Rue Rochechouart, Paris.—Designs for stained paper; portières for hangings of tapestry; for printed shawls, and other industrial designs.
- 1567 CONSERAT, M. 37 Rue Bourbon Ville-neuve, Paris.—Umbrellas and parasols.
- 1568 CONSERVATEURS DES ARTS ET METIERS (Col. Morip, Director), Rue St. Martin, Paris.—Metrical measures. Flexible liquid, Troy, and long measures of various materials.
- 1569 COULBON, Leather Manufacturer, Avallon (Yonne).—Japanned leather, grained calf-skin, for boots and shoes and trimmings.
- 1570 COURTIN, R. Vinegar, Manufacturer, 134 Route d'Oliver, Orleans (Loire).—A barrel of vinegar, and various samples.
- 1571 COURTIN, E. Currier, 13 Faubourg Montmartre, Paris.—Glazed calf-skins for boots and shoes, and all kinds of leather for saddlers, coach-makers, and harness-makers.
- 1572 COUPEL, —, 30 Grande Rue Verte, Paris. Two frames containing proofs of lithographed drawings on paper.
- 1573 CREMER, J. Manufacturer of Checker Work, 29 Rue de l'Entrepôt, Paris.—A grand piece of furniture, with three doors, a writing-table, dressing-table, and pictures in mosaic and checker work.
- 1574 CROMAT, J. Hair-dresser, 76 Rue de Richelieu, Paris.—Perukes without toupees, and a machine to implant hairs in silk and other kinds of tissues.
- 1575 DAFREQUE, F. Jeweller, 8 Rue Jean Jacques Rousseau, Paris.—Jewellery in gold, such as bracelets, leontines, chains, and cameo-brooches.
- 1576 DARELAY, —. jun. Corn Dealer, 16 Rue des Vieilles Etuves St. Honoré, Paris.—Two sacks and a barrel of wheaten flour.
- 1577 DARGO, F. Implements for Suckling and Injection Syringes Manufacturer, 86 Passage Choiseul, Paris.—Spiral sucking bottles; double pumps; artificial nipples; bidet for injections.
- 1578 DARWET, —. Rue Richelieu, Paris.—Ready-made linen for gentlemen, and ahirts.
- 1579 DAURET & DEMARIE, Furniture-makers, Lyons (Rhône).—Various articles of furniture.
- 1580 DEJON, C. P. Cocoons Manufacturer, Ucel, près Aubenas (Ardèche).—Stains of raw silk, and balls of organzine.
- 1581 DELABAUME, C. Machine Maker, Paris.—Calculating dials for the service of the railway tickets.
- 1582 DELADOUR, L. F. Side-arms Manufacturer, Rue aux Fers, Paris.—Swords and sabres of various countries. Bronze and cast-iron articles: chandeliers, andirons, fenders, &c.
- 1583 DELAMORINIÈRE, GORIN, & MICHELLET, Calico Printers, 12 Quai de Béthune, Paris (Isle St. Louis).—Satinéd barège dresses, mousselines de laine, Paris crape, &c. Long shawls. Fancy woollen and cotton fabrics.
- 1584 DELCAMBRE, A. Lace Manufacturer, 6 Rue de Choiseul, Paris.—Piece of black silk lace. Black silk lace scarf. Fine gold and natural-coloured silk lace.
- 1585 DELONGUELL, H. Coachmaker, 8 Rue National St. Honoré, Paris.—Closed calash, with varizetas, mounted on springs, pincer's fashion, grey lining, painted blue, with silver-plated ornaments.
- 1586 DEPOULLY, C. Silk Manufacturer and Printer, 7 Rue du Faubourg Poissonnière, Paris.—Dresses of various designs and fabrics. Various descriptions of silk handkerchiefs.
- 1587 DESBOURDES, —. Manufacturer of Mathematical Instruments, 22 Rue des Fossés du Temple, Paris.—Scientific instruments; indicators of water levels, with plain glasses; monometers; barometer, &c.
- 1588 DESJARDINS, L. Manufacturer of Embossed Articles, 4 Passage St. Avoys, Paris.—Medallions; vases for holy water; small statuettes; lamps, and other embossed objects of all kinds.
- 1589 DETOUCHE & HOUDER, Chronometer Makers, 158 and 160 Rue St. Martin, Paris.—Chronometers; large and small regulators; mathematical watch-work; watches, &c. Monographic apparatus, invented by Mr. Guesnal.
- 1590 DIBON, —. Manufacturer of Chemical Products, 34 Route d'Ivry, near Paris.—Carbonate, nitrate, and sulphate of strontiane; sulphate of copper and ammoniac, &c.

- 1591 DOLFOR, MING, & Co. Mulhouse (Haut-Rhin).—Unbleached and printed tissues, &c.
- 1592 DUCHÉ, —, sen. & Co. Shawi Maker, 1 Rue des Petits Fours, Paris.—Long and square figured shawls of every kind.
- 1593 DEMORTIER & Co. Wax Candle Manufacturers, Lyons (Rhône).—A box of French wax candles.
- 1594 DUPIN & Co. 21 Rue Fontaine au Roi, Paris.—Rods for curtains and apartments. Patented in France.
- 1595 DURAND, F. Goldsmith, 41 Rue du Bac, Paris.—Tea-service consisting of 17 pieces. Table centre-piece, accompanied with four crystal cups.
- 1596 DURAND, J. Alimentary Paste-maker, Grenade (Haute-Garonne).—Vermicelli, glutinous preparations, and various other sorts of alimentary pastes.
- 1597 BROFFZ, —, 10 Rue de l'École de Médecine, Paris.—Various collections arranged for the study of geology, paleontology, and pure mineralogy, and applied to agriculture and to industry; synoptic and technological table, serving as a catalogue.
- 1598 FAURE, E. Lace Manufacturer, 25 Rue de Cléry, Paris.—Worsted point lace, various colours.
- 1599 FAURÉMAGNE, J. M. Glue Manufacturer, Lyons (Rhône), and 6 Rue du Bœuf.—Isinglass.
- 1600 FELATRAPPE BROTHERS, 144 Rue du Faubourg St. Denis, Paris.—A frame containing specimens of engraving on cylinders, for the printing of stuffs and the gifting of stuffs.
- 1601 FETU, J. Bronze Manufacturer, 10 Rue de Graveliers, Paris.—Chandeliers; brackets; candlesticks; bed-room candlesticks; candelabras; clock; inkstand; statuettes.
- 1602 FOULQUES, H. Porcelain Manufacturer, St. Gaudens.—White and gilt porcelain.
- 1603 FOULQUIE, MILLE, & Co. Knitting-work Makers, 20 Rue Hauteville, Paris.—Collars, points, shawls, kerchiefs, and other articles of knitting-work; great novelty.
- 1604 FOURQUERIN & GODET, 25 Rue Neuve des Bons Enfants, Paris.—Designs for shawls.
- 1605 FOURNEAUX, —, Organ Builder, 64 and 70 Galerie Vivienne, Paris.—An organ.
- 1606 FRANÇOIS, A. Watch-maker, 114 and 115 Palais National, Paris.—Various watches, watch appendages, and alarms. Alarm clocks.
- 1607 FREY & SONS, Engineers and Machine Makers, Belleville (Seine), 2 Impasse St. Laurent.—A machine for nail making; a new system.
- 1608 FRÉNAULT, —, Brass Founder, Orleans (Loiret).—Hermetic taps; a new invention, destined to domestic economy.
- 1609 FROMENT, G. Manufacturer of Mathematical Instruments, 5 Rue Ménilmontant, Paris.—Scientific instruments; theodolite; and various models of electro-motive power.
- 1610 GASPARD, P. A. Engraver, 1 Rue Madame, Paris.—Frames containing engravings, religious subjects.
- 1611 GASTINNE, R. Gunsmith, 29 Allée d'Antin, Paris.—Guns; carbine; unfinished gun barrels; pistols for practice, in their cases; and small fancy pistols. Model of a machine to load pistols, and serving as a meter.
- 1612 GAUVAIN, J. Gunsmith, 93 Boulevard du Mont Parnasse, Paris.—Double-barrelled fowling-pieces, with engravings, and others.
- 1613 GEMINY, —, Manufacturer of Chemical Produce, Marseilles (Bouches de Rhône), 136 Rue de Paradis.—Cotton-seed oil, clarified and bleached; samples.
- 1614 GONDICELLI & DELABARRE, Mathematical Instrument Makers, 154 Rue Montmartre, Paris.—Universal rulers, of various descriptions. New patented invention for precise measurements.
- 1615 GOCHT, F. Cabinet-maker, 10 Rue des Marais St. Martin, Paris.—A lady's writing-desk, in Courbary wood, inside in rosewood and grey maple.
- 1616 GRABOON, E. Corset Manufacturer, 28 Rue de Bourgogne, Paris.—A satin fancy corset.
- 1617 GRIGNON, G. Rue d'Orléans, Paris.—Bronze clocks, candelabras, statuettes, &c.
- 1618 GROLLEAU & DEVILLE, Calico Printers, 23 Rue du Sentier, Paris.—Dresses (Fouillard pattern), bards, silk, gauze, &c. Designs produced at the establishment of the exhibitors; printing executed by Messrs. Guillaume and Son, St. Denis (Seine).
- 1619 GUERTON, —, Artistic Silversmith and Jeweller, 11 Rue Chapon, Paris.—Statuettes; cups; boxes; nosegays; pictures; sabres; swords; knives; bracelets; snuff-boxes; sweetmeats. Boxes; seals; cigar cases; cash boxes; rings; brooches; canes; riding-whips; plates in galvano-plastic.
- 1620 GUMET, J. B. Manufacturer of Ultramarine Blue, Lyons (Rhône).—Flagons of artificial ultramarine blue, applicable to the industrial arts and to the fine arts.
- 1621 HENNER & SON, Shawl Manufacturers, 13 Rue du Mail, Paris.—Long and square pure Cashmere shawls, various grounds.
- 1622 HENRY, F. Bronze Manufacturer, 8 Rue de Limoges, Paris.—Bronze chest, bronzed dagger; two keepsakes, fixed steel, inlaid with mother-of-pearl and bronze. Ladies' steel necessities; bronze-framed glass, &c.
- 1623 HENNEQUIN, —, 17 Rue Chapon, Paris.—Jewels and caskets.
- 1624 HERVE BROTHERS, Charenton, Bercy.—Gelatine and glue.
- 1625 HOOVER, G. Manufacturer of Embroidery and Printed Stuff, 6 Rue des Fossés Montmartre, Paris. Manufacturer, Rossein (Aisne) and Lyons (Rhône).—Neckerchiefs and mittens in lace; shawls, dresses of various patterns, and embroidered and printed novelties.
- 1626 HOCBARD, E. F. Manufacturer of French Alimentary Pastes, Persan (Seine and Oise), and 99 Rue St. Honoré, Paris.—French alimentary pastes.
- 1627 HOUBILLANT, C. Glove, 19 Rue de Faubourg, St. Honoré, Paris.—120 pairs of gloves made of skin matched in colour and quality.
- 1628 HOULLIER, B. Gunsmith, 36 Rue de Cléry, Paris.—A box of pistols.
- 1629 JACOB, P. Porcelain Manufacturer, 32 Rue de Bondy, Paris.—A fountain in ornamental porcelain; porcelain biscuits, designs for patterns.
- 1630 JOUHANNÉAUD & DUROIS, China Manufacturers, 5 Rue de l'Entrepôt, Paris.—Vases, decanters, clocks, scent-bottles, tête-à-têtes, &c.
- 1631 JOURDAIN, X. Attkirch (Haut-Rhin).—Tissues, jaconets, organelles, muslins, &c.
- 1632 KESCHER & WESTERMANN, Manufacturers of Stamped Iron, Metz (Moselle).—Articles in stamped iron tinned or varnished.
- 1633 KLEINJAEGER, J. F. Pianoforte Maker, 236 Rue St. Honoré, Paris.—A cottage piano.
- 1634 KOCKLIN BROTHERS, Mulhouse (Haut-Rhin).—Chintzes, printed cambrics, barges, woollen, and half-woollen stuffs, &c.
- 1635 LAAS D'AGUEN, V. Inspector at the National Institution of the Juvenile Blind, Paris.—Geographical maps and writing boards for the use of the blind.
- 1636 LACROIX BROTHERS, Paper Manufacturers, Angoulême (Charente)—Various sorts of stained and ornamental papers.
- 1637 LAIGNEL, J. B. Engineer, 13 Rue de la Harpe, Paris.—A model of drags for railways.
- 1638 LAMBERT, S. 34 Rue Verte, Paris.—Two spheres of silvered crystals; two crystal vases; likewise silvered, and several other articles of the same kind.

- 1639 **LANDRON BROTHERS**, Tanners, Meung-sur-Loire (Loiret).—Leather made from the skins of different animals, natives of France and of Buenos Ayres.
- 1640 **LANGIER**, —, Omgie (Basses-Alpes).—Honey and wax.
- 1641 **LANNÉ**, E. Cutler, 130 Rue du Temple, Paris.—Scissors, razors, knives, and other articles of cutlery.
- 1642 **LAFETRE, KÖR, & Co.** 112 Rue de Charenton.—Stained paper, &c.
- 1643 **LATELLE & PAYET**, Place St. Nicholas-des-Champs, Paris.—Bracelets, brooches, seals, trinkets, and various articles of jewellery.
- 1644 **LACOCQ**, H. Manufacturer of Stamped Copper and Brass, Rue des Francs Bourgeois, Au Marai.—Frames of ornaments in stamped brass; hot-air stoves, and various apparatus for warming houses.
- 1645 **LADOC**, C. Rope Maker, Nantes (Loire-Inférieure).—Fishing rods, lines, and nets, and ship ropes exported.
- 1646 **LEFEVRE**, A. Lace Manufacturer, Bayeux (Calvados), and at 42 Rue de Cléry, Paris.—Thread lace counterpane; Alençon lace scarf and lappets; shawl, point scarf, veil, and black silk lace shawls; black silk blonde mantle.
- 1647 **LE FEVRE**, B. 109 Rue Montmartre, Paris.—Various kinds of varnish for the arts, buildings, and carriages, &c.
- 1648 **LEFEVRE**, —, Manufacturer of Galvano-plastic, 40 Rue Fontaine au Roi, Cité Hoffbacher, Paris.—Cash boxes, cigar cases, and other articles produced by the galvano-plastic. Patented in England.
- 1649 **LEMIERE & SON**, Silk Manufacturer, 1 Rue des Feuillants, Lyons (Rhône).—Silk stuffs for furniture and church ornaments. Velvets, damasks, brocade, &c.
- 1650 **LEROLLER BROTHERS**, 3 Chaussée des Minimes, Paris.—Bronzes, clocks, candelabras, chandeliers, statuettes, &c.
- 1651 **LEFARD**, H. Saddler, 19 Val St. Catherine, Paris.—Framed designs representing specimens of saddles, harness, and articles of military accoutrements.
- 1652 **LEOTIC**, P. M. Book Binder, 199 Rue St. Honoré, Paris.—Various publications. Fancy book-binding.
- 1653 **MARNOU**, P. Paper Hanging Manufacturer, 21 Place des Voies, Paris.—Geographical maps of France and England; chronological tables of France and England.
- 1654 **MAGNIE**, J. M. Inventor, Villefranche (Rhône).—Sewing, embroidering, and cord making machine, called *Consobrodeur*. New invention, patented in England. Samples of sewing on different stuffs.
- 1655 **MALLER & BAILLY**, 23 Rue de Rambuteau, Paris.—Artificial flowers in grass.
- 1656 **MAYER & Co.** Painters on Porcelain, 64 Rue du Marais St. Martin.—A vase, imitation of China in gilt bronze, and other articles of China painted and decorated.
- 1657 **MENET**, J. Milled Silk Weaver, Boullou and Annonay (Ardèche).—Yellow and white organzines of different qualities and preparation; yellow and white wool; yellow and white spun raw silk skeins.
- 1658 **MÉCACIER**, C. V. 28 Rue de Gravilliers, Paris.—Tortoiseshell snuff-boxes; ditto, wood and ivory, rhinoceros, palm-tree wood, olive-tree wood, rose wood, &c.
- 1659 **MÉURANT BROTHERS & WILLEMIN**, Machine Makers, Charleville (Ardennes), Dépôt, 73 Faubourg St. Martin. (Director of the Factory, Mr. Willemin).—A press with an iron bucket and sine basin; a press of a different model.
- 1660 **MICHEL** P. Sculptor, 27 Quai d'Anjou, Ile St. Louis, Paris.—Marble groups of three figures, bearing as an epigraph: "Sine parvulus venire ad me." A Carthusian monk at his prayers, a plaster cast.
- 1661 **MITTELETT**, V. Engineer, Soissons (Seine and Oise).—Thrashing machines; winnowing machines.
- 1662 **MOHAMED BEN ACHIE**, Caid de Mascara (Oran).—A bournous in natural black wool.
- 1663 **MOHAMED BEN SALAM**, Weaver, Beni Abba, province of Constantine.—A white abess Mousaiah bournous.
- 1664 **MOWET**, —, Manufacturer of Mathematical Instruments, 23 Rue Meslay, Paris.—Chronometers, giving several unusual indications, such as the days of the week, and of the month and year, &c.
- 1665 **MONTAL**, C. Musical Instrument Maker, 5 Boulevard Montmartre, Paris.—Three cottage pianos.
- 1666 **MOREL BROTHERS**, Manufacturers of Articles in Wrought and Cast Iron, Charleville (Ardennes).—Moulded cast iron, pottery, projectiles, mechanical nails, carved ironmongery, &c.
- 1667 **MOUCRET**, —, Manufacturer of Joiner's Work by Machinery, Petit Montrouge (Seine).—A white of a machine to knead bread, and ten of these machines in full operation.
- 1668 **MOURCAU**, —, 27 Rue du Mail, Paris.—Tissues for hangings and furniture, folding-doors, and table-covers.
- 1669 **NOEL**, —, Tinsel Ornament Maker, 16 Rue du Ponceau, Paris.—Gilt and oxidised eye-glass chains, neck-chains, leontines, watch appendages, and cornelian seals. Fancy watch appendages.
- 1670 **NOUVEY BROTHERS & MEYNAUD COUSINS**, Manufacturers of Silk Handkerchiefs, Lyons (Rhône).—Silk handkerchiefs, corahs, white damasks, and others.
- 1671 **ODIOT**, —, Jeweller, 26 Rue Basse du Rempart, Paris.—Table-services in various styles, tea-services, and other articles of silversmiths' work.
- 1672 **PARER**, —, Broad Cloth Manufacturers, Sedan (Ardennes).—42 pieces of broad cloth, kerseymere, and satins.
- 1673 **PARISER**, F. 192 Quai Jemmapes, Paris.—Six burners for gas-lighting. A regulating apparatus for the pressure of the gas.
- 1674 **PAYET**, A. R. 18 Boulevard St. Denis, Paris.—Gold jewellery for exportation.
- 1675 **PERPIN**, V. Manufacturer of Woollen Blankets, Orleans (Loiret), and 14 Faubourg de la Madeleine, Paris.—Blankets wholly of wool.
- 1676 **PETROULX**, H. Manufacturer of Cobalt Blue, Gouzon, Canton of Jarnages (Creuse).—Crystal sagon, filled with small or pure cobalt blue. Two vases of porcelaine de Sevres, coloured with small blue.
- 1677 **PICARD**, E. Chintz Designer, Rouen (Seine-Inférieure).—Frames, containing designs for chintzes.
- 1678 **PIVER**, A. Soap Boiler, 103 Rue St. Martin, Paris.—Various kinds of soap, perfumed oils, grease, and alcohol.
- 1679 **PLAGNIOL**, —, Optician, 5 Rue Pastourel, Paris.—Spectacles. Ivory and polished opera-glasses. Daguerrotype pictures.
- 1680 **POULET**, J. F. Manufacturer of Spun Lead, 12 Rue Pierre Levée, Paris.—Spun lead, for horticulture and nurserymen.
- 1681 **PRELAT**, —, Gunsmith, 41 Rue de la Ferme, Paris.—Brace of pistols, with carved and chased gold mountings. Five-barrelled pistols, charges fired separately. Engraved and carved double-barrelled gun, charged at the stock, &c.
- 1682 **PROT**, A. & AGARD, F. Aix, (Bouches du Rhône).—Productions of the liquid salines.
- 1683 **QUENNESEN**, —, Platina Refiner, 4 Rue du Bouloi, Paris.—Platina crucibles, capsules, and various other platina chemical apparatuses, on a small scale.
- 1684 **RANDON**, L. Blonde Manufacturer, Caën (Calvados), and 9 Passage des Petits Pères, Paris.—White silk blondes; scarf, overall, head-dress, and whiskers. Large gold and silk lappets.
- 1685 **REZUMEC**, N. Avenue du Bel Air, St. Mandé, near Paris.—Chronographers and watches.
- 1686 **RIGAUDT**, SON, Vinegar Manufacturer, Orleans (Loiret).—Various samples of vinegar.
- 1687 **ROLLER & BLANCHET**, SON, Piano Makers, 26 Rue Hauteville, Paris.—Four pianos of various descriptions.

- 1688 ROSNAG, A. & Son, Manufacturers of Metallic Cloths, Schlestadt (Hauts-Rhin); Lyons (Rhône); and 321 Rue St. Denis, Paris.—A cylinder for continued laid paper. Metallic cloths and gauzes.
- 1689 ROUCOU, J. Manufacturer of Frosted Weapons, Belleville (Seine), and 21 Rue de Paris.—Daggers, trophies, hangers, &c., with reproduction of ancient frosted work, inlaid work, and filigree.
- 1690 ROUX, F. M. Trimming Manufacturer, St. Chamond (Loire)—Silk trimmings and lacing of various kinds.
- 1691 SAYE, P. G. 9 Rue du Parc Royal, Paris.—Bronze clocks, statuettes, inkstands, and caskets.
- 1692 SÉGUIN, Lace Manufacturer, 40 Rue des Jeûneurs, Paris.—Point silk guipure; mantlet, guipure, lace work; white silk fringe.
- 1693 SÉGUIN, —, Marble Cutter, 22 Rue d'Assas, Paris.—Samples of different marbles. Marble statuettes and statenes, representing different incidents in the life of Napoleon. Quartz paper-presser.
- 1694 SI AMON BEN OUAÏ, A. F. Weaver, Zamoura, Province of Constantine.—A samouri bournous.
- 1695 SI ALI BEN LAMOUCCI, Constantine.—A bournous samouri.
- 1696 SI HAMIDA, Muphti of Oran.—A woollen common caba.
- 1697 SIMON, S. Lyons (Rhône).—Japanned calf-leather.
- 1698 SOUCIN, C. Chaumont (Hauts-Marne).—A dozen of dressed calf-hides.
- 1699 SOUFFLET, Piano Maker, 171 Rue Montmartre, Paris.—A long piano. Two cottage pianos.
- 1700 SOUËT, J. D. 3 Rue St. Catherine, Lyons (Rhône).—Corsets without seams.
- 1701 THOLLEK, —, Manufacturer of Perfumery, Grenoble (Isère).—Flacons of various essences and perfumed liquids.
- 1702 THOURET, F. A. Silversmith, 31 Place de la Bourse, Paris.—Plated and electro-plated silver work. Patented in France and England.
- 1703 THOUFRAY, C. M. Optician, 4 Rue Grange Batelière, Paris.—Diurnal reflectors.
- 1704 VATIN, —, jun. & Co. 13 Rue de Cléry, Paris.—Fancy gauze tissues, and woollen and silk tissues.
- 1705 VERSTAK, L. N. 6 Rue Beaujolois, Paris.—Strong boxes or safes.
- 1706 VIDÉCOQ & SIMON, Lace Manufacturer, 35 Rue des Jeûneurs, Paris.—Chantilly black lace shawls. Veil, lapets, and set of Alençon point lace.
- 1707 VILLEMEUS, —, Bronze Manufacturer, 57 Rue St. Avoys, Paris.—Bronze candelabras, groups, lamps, &c.

ALGIERS.

(Represented by Mr. EDMUND BOUVY, Commissioner of Commercial Affairs for the Colony, and Delegate of the FRENCH MINISTER OF WAR to the LONDON EXHIBITION.)

- 1 ANDRÉ, Director of the Tobacco Service, Algiers.—Tobacco in leaves from the settlers of Sahel and Mitidje, and from the natives of those districts. Scaferlati hashed tobacco. Cigars made of Krachena tobacco.
- 2 ARNAUD, Manu. Bonn (Constantine).—Samples of white soap.
- 3 AVERSENG & Co., Patented for Algiers and France; manufactory in Toulouse.—Vegetable hair, made of the leaves of the Algerian dwarf palm tree, &c.
- 4 BRAUREGARD, Philippeville (Constantine).—Iron ore of Mount Fifiash.
- 5 BEDEL, Grantee, Arzew (Oran).—Crystallised salt from the Salt Lake of Arzen.

- 6 BÈNES, Mlle M. Philippeville (Constantine).—White cotton, called Naples Cotton, gathered in 1850.
- 7 BEN ZEKRI (the wife of the Caid), Constantine.—A silk and woollen haick.
- 8 BERNARDON, H. A. a Soldier under confinement in the Military Prison of Bonn (Constantine).—Aloes thread cloak; by the exhibitor.
- 9 BORDE, J. Manu. Philippeville (Constantine).—Oil of olives, gathered in 1850.
- 10 BOULANGER, Saddler, Pierre Honoré.—Crapeau saddle, full quilted leather saddlebow. Banche saddle, leather saddlebow. Short-ride saddle, saddlebow, wooden band. Child's saddle; a full quilted velvet. A bit upon a new principle.
- 11 BRÉQUELER & Co., Grantee, Tenex.—Samples of brass pyrites from the Oued Alleiah Mines.
- 12 CABANILLAS, Widow, Saw-mill Works, Algiers.—Five specimens of veneering, adapted for cabinet-work.
- 13 CAILLIEZ, A. L. J. Cabinet-maker, Mustapha.—A toilet table, and inlaid work-chest, made of native wood.
- 14 CANTON, Merchant, President of the Chamber of Commerce, Algiers.—Samples of Boucads and Medeah raw wool. Three samples of Upper Chiffa wool, combed by machinery.
- 15 CASTELBAN, Colonist of the St. Louis' Agricultural Colony (Oran).—Boiled yellow silk and white silk handkerchiefs.
- 16 CHAPEL, Kouba.—Canna root flour (*Canna discolor*), a new article of food.
- 17 CHUFFAUT, Agriculturist, Birmendrais.—Hard and soft wheats of 1850. Cotton, called Louisiane, 1830. Silk in cocoons and spun silk.
- 18 COMMISSION OF THE MOCKAIE MINES.—Crystallized grey copper ores.
- 19 AIN MORKA MINES COMPANY, Constantine.—Steel made in France from iron ores of Ain Morka. Assortment of files. Set of scythes made of cast and refined steel.
- 20 BONE MINES AND IRON WORKS COMPANY, Constantine.—Raw steel castings. Cast steel.
- 21 CONVERSO, Bonn, Constantine.—Writing-desk, made of native woods.
- 22 CURTEL, Jun. Manu. Bal-el-Oued.—Samples of olive oil; oils of sesame, camelina, mustard, cotton, arachide, bramaica, arvensis, ricinius, poppies, turnsole, lawn and madia saliva.
- 23 DUPRE DE ST. MAUR, Agriculturist Orbal, (Oran).—Soft wheat, tobacco leaves, Jumel cotton wool, madder-ot s.
- 24 FLECHY, J. B. Manu.—Patent paper and pasteboard made of the dwarf palm tree leaves.
- 25 FREDERIC, J. B. Agriculturist, Montpensier.—A sample of opium, accompanied with soumiferanis; white poppy capsules, 1850.
- 26 GRIMA, F. Agriculturist, Philippeville (Constantine).—White and nankeen cottons, 1850.
- 27 HALOCHE, Agriculturist, Drariah.—Cotton, 1850.
- 28 HARDY, Manager of the Hamma Nursery, near Algiers.—Jumel, Louisiana, New York, Georgia long silk; Macedonia and nankeen cottons, 1849 and 1850. Raw silks of 1849 and 1850. Cochineal, opium, dry rice, oleaginous seeds. Varieties of maize. Eight and six months growth Bamboo shoots.
- 29 JEANTET, Agriculturist, (Constantine).—Hard wheat and barley of 1850.
- 30 JUDAS MOÏSE, Manu. Oran.—Two gold embroidered silk dresses for Jewish ladies.
- 31 JULIER, Manufacturer of preserves, Bougie (Constantine).—Pickled olives.
- 32 LAYA & Co. Measures.—Sample of native wheat flour.

- 33 LEFELLETIER, Agriculturist, Fondouck.—Soft wheat, 1850.
- 34 DE LUTZOW, Colonel, Bonn, Constantine.—Sample of saffron.
- 35 MAYFRE, E. F. Mann. Bougie, Constantine.—Olive oil.
- 36 MARCHAL, Agriculturist, Boudjaréah.—Soft wheat and brown oats, 1850.
- 37 MERCEURIN, H. J. Agriculturist, Cheragas.—Olive oil of 1850. Odoriferous essences.
- 38 MONTIGNY, G. de, Agriculturist, St. Joseph, Oran.—Soft wheat and barley of 1850. Madder root; saffron.
- 39 MORRIN, Agriculturist, El Biar.—Tobacco in leaves, called *Philippia*. Hashed tobacco. Cigars. Jumel cotton, 1850. Silk in cocoons and spun silk.
- 40 OREDA & AGUI, Cigar Manufacturers.—Samples of cigars of various qualities.
- 41 FISHERIES OF LA CALLE, Constantine.—Specimens of coral. Red chalkstone.
- 42 PELISSIER, C. Agriculturist, Kaddous.—White cotton.
- 43 PIGLIA, J. Agriculturist, Constantine.—Madder-root.
- 44 REVERCHON, H. Agriculturist, Birkadeny.—Tobacco in leaves and Jumel cotton, 1850.
- 45 COMMISSION OF ALGIERS MINES, (Province of Algiers). Samples of various ores.
- 46 COMMISSION OF THE MINES, Bonn (Constantine).—Samples of ores:—Geological specimens and minerals.
- 47 COMMISSION OF WOOD AND FOREST.—Specimen of native woods and cork.
- 48 SI AHMED-EL-HACHEMI, of the Amer Cherages tribe, (Province of Constantine).—A hambel, a species of woollen blanket or carpet.
- 49 SI AMAR-SHUS, (his wife), Constantine.—Sample of hand-spun wool.
- 50 SI-EL-BRY BEN-BOU-RAS, Manu. Constantine.—Arab saddle with gold and silver embroidered morocco covering, and every appendage forming an Arab horseman's equipment.
- 51 SIMOUNET, P. Manu.—Perfumed essences of jasmine, geranium, &c.
- 52 SOGAL, Edge Tool-maker, Bonn, Constantine.—An iron axe.
- 53 TRIBE OF THE BENI ABSES, Province of Constantine.—A white abessi burdou.
- 54 TRIBE OF THE BOU TALEB, Province of Constantine.—A haïck boutalbi.
- 55 TRIBE OF THE DRIDES, Province of Constantine.—Woollen burdou.
- 56 TRIBE OF THE HARAGAS, Province of Constantine.—Specimen of raw wool. Two large woollen carpets. A woollen blanket.
- 57 VERRIER, F. Manufacturer of Alimentary Preserves.—Oil-preserved sardines.
- 58 THE DELEGATE OF ALGIERS.—Spun cottons, silks, woollens, carpets, blankets, belts, cloaks, scarfs, &c. Various articles of silversmith's work.
- Various Articles.*—Five hats, cotton felt of Algeria, with and without a mixture of hair, manufactured by Messrs. Ernoux Diolo at Paris. Three samples of felt made with Algerian cotton. A sample of paper manufactured in France with Aloës tow and Algerian banana tree.

GERMANY. SOLLVEREIN STATES.

Commissioner in London, Mr. BAURATH STEIN, 2, Albion Street, Hyde Park.

I. PRUSSIA AND SMALL STATES.

a. BERLIN.

1 THE ADMINISTRATION OF THE ROYAL PRUSSIAN SMELTING WORKS AND IRON FOUNDRY, Gielwitz, Prod.—Samples of wrought-iron, as used for rollers; sheet-iron and bar-iron rollers.

2 THE ROYAL PRUSSIAN IRON WORKS, Malapane, near Opeln—Pair of hard cast-iron cylinders. Samples of ores and other materials and products derived from them by charcoal furnaces at the Royal Iron Works at Malapane. Red and white calamine from the mines at Scharley, and the Calamine Works, near Beuthen, in High Silesia. Zinc in drops; white zinc (oxide of zinc); cadmium (metal).

3 ROYAL WORKS AT KONINGSWITZE, Prod.—Sandy specimens of ores.

4 ELEWER, VON GRONOW, & Co. Tarnowitz, Silesia, Prod.—Specimen of Roman cement found at a depth of 160 feet in a lead mine (Frederik's mine), near Tarnowitz, in Russian-Silesia.

5 STEPTINGER PATENT BLEIWERK FABRIK, Stettin, Manu. (Agent in London, C. Kekulé, 60 Mark Lane).—Patent white lead.

6 GUTTLER, W. Reichenstein, in Silesia, Prod.—Arsenic ores, showing a process for extracting the gold from the residue of the arsenic ores. The process is founded upon experiments by M. Plattner, Professor of Chemistry, at Freiberg, in Saxony.

7 DU BOIS, C. A. Hirschberg, Silesia, Prod.—Samples of cinabar.

8 LUCAS, M. Cunersdorf, near Hirschberg, Prod.—Samples of cinabar.

9 MILON, A. Warmbrunn, Prod.—Samples of bricks, with drawing and description of a brick-press of a peculiar construction.

10 BEHMANN, E. Hirschberg, Silesia.—Rough and cut precious stones.

11 RUFFER & Co. Breslau, Manu.—An assortment of zinc-plates, including two as thin as a sheet of paper. Zinc-plates for tiles.

12 COCHINS, E. E. Oranienburg, near Berlin, Manu.—Large specimen of crystallization, Prussiate of potash.

13 KUNHEIM, L. A. H. Berlin, Prod.—A mass of crystals of sugar of lead. Acetate of lime. Nitrate of lead. Tiniate of soda. Cyanate of potassium. Oxide of uran. Tungstic acid, &c.

14 BERNHARD, VON S. Wiese and Marwitz, near Prouss, Holland, Prod.—Samples of raw and refined beet-root sugar from the growth of the estate of Marwitz, made at the first sugar-refinery erected in the province of Königsberg.

15 CHRISTIANI, C. H. Kerskubruich, Manu.—Bottles of beer and extract of beer, for ships' use, brewed without malt.

16 FARLEMANN, —, Klein-Schwein, Mann.—Dried "potato cuts," prepared in a peculiar manner, so as to keep for years. Potato flour. 100 lbs. of cut potatoes, prepared and dried by the exhibitor. Produce: 50 lbs of fine; 14 lbs. of middling; and 24 lbs. of black flour; and 6 lbs. of bran.

17 GROSS, D. J. Berlin, Manu.—Vanille chocolates; santé chocolates, without spice; spiced chocolates.

18 PAETSCH, G. Wrietsen on the Oder, Manu.—Potato-starch syrup. Much used by the German brewers.

19 KROSS, A. T. Stralsund, London agent, C. Jones, Mann.—Starch, prepared from the wheat of the country round Stralsund.

20 WEILL, C. Berlin, Manu.—Fruits preserved in sugar. Vegetables preserved in butter, and in their natural state. Potted larks.

21 UNCHITZ, L. Mühlradtitz, Silesia, Prod.—Specimen of potato-starch.

22 THE ROYAL REMOUNTING DEPOT, Frenow, Posenania, Prod.—Carded wool, the fleece of an ewe four years old, of the Electoral breed, &c.

23 THARR, A. P. Councillor, Woeglin, near Wrietsen on the Oder, Prod.—Washed and raw wool-fleeces, from the staple flock at Moeglin, intended to illustrate the richness of wool with fineness of hair in the merino breed.

24 LOBSEIT, E. Zweybrodt, near Breslau, Prod.—Specimens of wool.

25 LIPSKE, VON, Ludomy, near Obernack, Posen, Prod.—Specimens of wool, in glasses, &c.

26 HEY, High Administrator of the Royal Domain, Haynsburg, Sachsen, Prod.—Wool-fleeces.

27 ROYAL ADMINISTRATION OF FRANKENFELDE, Wrietsen on the Oder, Prod.—Fleece of a ram and of ewes, sheared in spring 1850. Samples of wool.

28 ROTHSCHILD, Baron S. VON, Oderberg, Silesia Superior, Prod.—Fleece of merino sheep and lambs. The flock from which these fleeces have been selected is said to be one of the most celebrated in Silesia; and out of it, sheep for breeding are sold to Silesia, Hungary, Galicia, and Posenania.

29 KUPFER, —, Councillor of Legation, Dromberg, Prod.—Merino fleeces of two-year-old ewes. Exhibited on account of the fineness and regularity of the wool-staple, and as an illustration of the advance of the production of wool in the Prussian countries of the Middle Vistula.

30 NORDMANN, G. L. Liszkow, near Inowraclaw, Prod.—Fleeces of wool, exhibiting great regularity in the staple.

31 WINKLER, F. Berlin, Manu.—An assortment of prepared, bleached, and dyed figures, and Venetian sponges. The sponges cleared by chemical process, and dyed fast colours, by methods invented by the exhibitor.

32 ECKHARDT, A. Baron of, Reschenow, Prod.—Fleece of wool exhibited on account of the regularity of the wool-staple.

33 SCHWERIN, Count of, Wolfshagen, Ukermark, Prod.—Fleece of a ram and ewe of Saxon breed.

34 RUFIN, A. Rüstern, Leignitz, Prod.—Flax grown in Silesia, and "swingled" after the Belgian method, in the royal flax-cultivation school for Lower Silesia; beekled flax.

35 SCHAENKEK, A. Neu-strelitz, Inv. and Manu.—Finest madder-extract, produced by a new and cheap method, for dyeing all sorts of stuffs.

36 ZIEGLER, BARON T. OF, Dambrau in Silesia, Prod.—Three fleeces of wool, unwashed, from sheep of the genuine Spanish breed.

37 LORENZ, G. Wolgast, Manu.—Samples of glue.

38 BOLZANI, A. M. Berlin, Prod.—Spinning-hut with cocoons of silkworms.

39 KISEWICKI, Hesperita, Posen, Prod.—Proofs of raw silk, made of 4, 5, 6, and 7 twisted threads. Produced upon the property of the seminaries of Paradies.

40 TESSLER, D. F. Stolp, Manu.—Two pieces of raw yellow amber, as cast up by the sea. Specimens of such dimensions are very rare; 100 dollars are often paid for one pound. Pieces of amber enclosing insects, &c.

- 41 TESLER, C. L. Stelp, Mann.—Pieces of wood of the amber-tree; and of yellow amber as found under ground, and as cast out by the sea. Amber ornaments of milk-white colour. Snuff-box set in gold with the miniature of Frederic II. &c.
- 42 FREIERER VON LUTTVITZ, Ippeln, Prod.—Samples of unhecked flax; extensively cultivated at Ippeln. Fleeces of wool, from the flock of the exhibitor.
- 43 GRUBER, W. jun. Berlin, Mann.—Newly invented composition for dyeing wool; yarns dyed with it.
- 44 HEYL, J. F. & Co. Berlin, Mann.—Colours, in paste, for painters and paper-hanging manufacturers; chemical substances and colours.
- 45 OBERBÜROGRAF VON BRUNNECK, Frankfort-on-Oder, Prod.—Fleeces of a ram and of a ewe of the merino breed.
- 46 OBERBÜROGRAF VON BRUNNECK, Rosenberg, Prod.—Fleeces of wool indiscriminately taken.
- 47 LEBMANN, R. Nitsche, Prod.—Fleeces of fine raw wool.
- 48 HOLTSTADT, F. Berlin, Prod.—Sample of silk-like vegetable fibres, exhibited to show that such parts of plants may be employed in designs for the manufacture of articles, where silk is used.
- 49 FRIEDRICH, C. Potsdam, Mann.—Park carriage or phaeton.
- 50 GUNDLACH, C. Weseburg, Mann.—Spinning-wheel, with inlaid work, consisting in the whole of 450 pieces.
- 51 WURDEN, C. A. Vos & Co. Grabow, nr. Stettin, Mann.—Steam-pump, complete.
- 52 HECKMANN, C. Berlin, Mann.—Vacuum boiling apparatus for sugar refining; 85 cubic feet English, sufficient for 245 loaves of sugar, at 30 lbs. weight each; it boils these loaves in $1\frac{1}{2}$ hours, out of clarified mixture of 30 "Bosumé," and employs steam of three atmospheres expansion, and from 4 to 5 cubic feet of condensation water per minute. Applicable for the manufacture of cane and beet sugars.
- 53 BONARDEL BROTHERS, Berlin, Mann.—Jacquard machines; machine for stamping patterns for jacquard work. Machine for cutting corks.
- 54 DORFFEL, T. Berlin, Mann.—Frill machine.
- 55 LEONHARDT, J. E. Berlin, Mann.—Type-founding machine, a new invention. Zinc or copper moulds may be employed.
- 56 WINTER, F. Berlin, Mann.—Jacquard weaving-machines; improved by the exhibitor, the books being so placed that they cannot turn when the machine is at work.
- 57 THOMAS, H. Berlin, Prod. and Inv.—Shearing-machine, for shawls, for beating apparatus.
- 58 HANAU, A. Berlin, Inv. and Mann.—A turning lathe.
- 59 REYER, S. B. jun. Breslau, Mann.—Models of zinc-roofing, on a large and small scale.
- 60 GHEHMANN, T. Berlin, Mann.—Priming-pia rifle-gun. Rifle. Double-barrelled gun, with shooting implements.
- 61 LUDLICH, W. Posen, Mann.—Rifle, with screw driver, powder measure, and bullet mould.
- 62 ORLE, E. F. Heirs of, Breslau, Mann.—Samples of shot-tubes made by the hydraulic press, tinned inside and outside. Wire. Lead and litharge. Bullets. Sheet-lead, tinned, &c.—all of Silesian lead.
- 63 GRZYBOWSKI, H. Potsdam, Mann.—Rifle, in rose-wood; German silver mounted case.
- 64 KEHL, J. C. Berlin, Mann.—Pistols in box, with implements for cleaning, casting balls, &c.
- 65 STOLTE, Dr. E. Berlin, Inv.—Patent chaff-cutter, for cutting straw and other vegetable substances, containing a new application of vulcanized India-rubber. Manufactured by F. Thiels, Berlin.
- 66 BRUCKNER, W. Koppitz, near Grotkau, Prop.—Erect double bee-hive; queen bee's basket, &c.
- 67 SPRENGEL, Dr. C. & Co. Regenwalde, Pomerania, Mann.—Sowing-machine; drill-machine; Indian corn thrashing-machine; Flander's plough, altered by Schwarz; Pomeranian vibrating plough; Mecklenbourg hoe, with yoke; East Prussian socke, with yoke; 16-share crooker; under-ground plough; water-furrow plough.
- 68 GUELLER, P. Berlin, Mann.—Night clocks; cartel bronze clocks; regulator, &c.
- 69 KRÜGER, A. Bromberg, Inv.—Electro-magnetic self-registering anemometer. A system of four electro-magnets. The galvanic circuit is completed by quicksilver every hour by means of clock-work.
- 70 KUNER, J. A. Berlin, Mann.—Specimens of artificial teeth. Samples of the material.
- 71 BEMALIE, H. P. Breslau, Mann.—Patent rosewood grand piano, with English mechanism and arrangement for easier tuning and tightening the wires.
- 72 THIECKE, A. F. Berlin, Mann.—Brass travelling clock, in leather case.
- 73 GURICKE, B. Zossen, near Berlin, Inv. and Mann.—Grand piano, with powerful repeating mechanism, wholly constructed by the exhibitor himself.
- 74 SIEBERT, C. Stettin, Mann.—Complete vacuum-apparatus and air-pump.
- 75 SERMANN, G. Warmbrunn, Mann.—House-clocks.
- 76 BAUMANN, T. Berlin, Inv.—A standard measure, after Bessel. An ordinary yard measure.
- 77 NOBERT, F. A. Berth, near Stralsund, Pomerania, Mann.—Glass plates, with divisions, applicable for observations with the microscope. Ocular micrometer for telescopes, with clear lines in the dark horizon.
- 78 THIEDT, F. Berlin, Mann. (Agent, Mr. Oertling, London).—Astronomical regulator. Box chronometer.
- 79 POKONY, J. A. Berlin, Mann.—Iron pill and other moulds and mortars. Improved Berzelius and other lamps. Gasometer, after Pöpyr. Belt rifle-gun and pistol.
- 80 WESTERMANN & Co. (Prop. of the firm, G. Willmanns) Berlin, Mann.—Rosewood grand piano.
- 81 LÜTTIG, C. Berlin, Mann.—Levelling instruments. Dioptric telescope. Ruling machine. Optometer. Ball; and ring to demonstrate the expansion of metals by heat. Mathematical instruments. Camera obscura.
- 82 BALTZER, A. Frankfort, Inv.—Æolodion, an instrument with keys of six octaves, with metal springs or tongues put into vibration by means of bellows. Clocks striking and going for the space of a year. Pendulum clock, showing the variation of the time at twenty different places.
- 83 LÜCKE, J. F. & Co. Berlin, Mann.—Fluor-acid and apparatus made of platinum. Analytical weighing scales. Polarization apparatus for saccharine fluids. Sulphuretted hydrogen apparatus after Kipp. Berzelius and other chemical lamps, &c.
- 84 LEFFOLD, —, Stettin, Inv.—Instruments for accoucheurs, composed of steel, ivory, and German silver.
- 85 GOLDSCHMIDT, S. Berlin, Mann.—An assortment of surgical and physical instruments, bandages, artificial limbs, syringes, and a magnetic apparatus.
- 86 REIMANN, L. Berlin, Mann.—Balance, which weighs from one milligramme to one kilogramme; that is, from $\frac{1}{1000}$ of a grain to $2\frac{1}{2}$ lbs. avoirdupois. Set of gramme-weights of brass, gilt by galvanic process, from one gramme to one milligramme, with ivory forks and pincettes.
- 87 OERTLING, A. Berlin, Inv.—Chemical balances, large and small, with weights. Hadley's sextants. Reflecting goniometer.
- 88 HOFFMANN & BREHARDT, Berlin, Mann.—Complete assortment of apparatus and articles for chemical, physical, and pharmaceutical purposes.

- 80 **BUSCH, E.** Rathenow, Mann.—Spectacle-frames and glasses. Assortment of opera-glasses, &c. Daguerreotype portraits. Large telescopes, with foot, and various others.
- 80 **ROHMANN, A.** Eulau, near Landsberg, on the Warthe, Mann.—A guitar.
- 81 **VOHLKE, J. G. & Co.** Langenbielau and Breslau, Mann.—Pieces of cotton stuffs—red inlet, jacquard ticks, and bed-ticks. Table-cover.
- 82 **DIERCK, C.** Langenbielau, near Reichenbach, Silesia, Mann.—Jacquard diaper, of double-cotton yarn and single-cotton twist, united with English machine yarn. Jacquard diaper, made of Chinese grass, and of blue fancy silk and English machine linen yarn. Pattern of bed-tick, warp of crimson organzine silk, united with bleached Chinese grass yarn. Glazed cotton shirtings.
- 83 **NORW, LOWE, & Co.** Berlin, Mann.—Printed calicoes, woven by power-looms in Berrberg and Marklissa in Silesia, and bleached and printed at Berlin.
- 84 **MERTZEL, Royal Prussian Privy Councillor of the War Department,** Berlin, Prop.—A variety of samples of blue and grey military cloths, such as are supplied for the clothing of the Royal Prussian army.
- 85 **FABIAN, C. G.** Breslau, Mann.—“Pine-needle wool” for upholstery, intended to guard against moths, and for wadding. “Pine-needle wool” wadding mattresses and bolster, &c. “Pine-needle wool” oil, used for medicinal purpose, &c.
- 86 **WALD & SON, Zielensig,** Mann.—Woolen yarns, dyed and white, three and four fold.
- 87 **IRZINGHOFF, M. Neudamm,** Mann.—Broad-cloths. Grey mixture cloth, as used by the Prussian military for cloaks and trousers. Leather-coloured cloth for coaches.
- 88 **BERND & SCHMIDT,** Berlin, Mann.—Woolen cloth.
- 89 **HANBALAND, G. A. Finsterwalde,** Mann.—Black cloth.
- 100 **GEHLE, C. S. Gürlitz,** Mann.—Woolen cloths, of various colours, dyed in the wool; manufactured out of Silesian wools.
- 101 **RUFFEN & SON, Liegnitz, Silesia, Mann.**—Imperial woolen cloths, Legovia olive colour, and Cashmere, dyed in the wool; Electoral woolen cloth and Royal black, dyed in piece.
- 102 **SCHIEDER, F. & Co. Schweidnitz, Mann.**—Buckskins and cloths for breeches, &c.
- 103 **LUTZE BROTHERS, Cottbus, Mann.**—Mulberry, olive, and black cloths.
- 104 **COHN & HERMANN BROTHERS, Berlin, Mann.**—Woolen, cotton, and silk mixed stuffs; woolen, plain, and fancy stuffs; fancy woolen, and woolen and cotton mixed stuffs.
- 105 **COCKERILL, W. Guben, Mann.**—Raw and coloured carded yarns, spun of Pomeranian wool.
- 106 **BERGMANN & Co. Berlin, Mann.**—Worsted sephyr yarns, best quality; the wools were manufactured by the United Spinning Company at Gotha.
- 107 **FELTZ & SON, Guben, Mann.**—Black cloths, black royal, yarn, &c. exhibited for cheapness combined with quality; manufactured from wool of Silesian, Pomeranian, Marchian, Prussian, Marchian and Australian wools.
- 108 **SCHLIEF BROTHERS, Guben, Mann.**—Black cloth and satin, exhibited on account of beauty and cheapness.
- 109 **FRIEDRICH & SONS, Berlin, Mann.**—Pieces of figured and plain Orleans and Gros-de-Berlin.
- 110 **HOFFMANN, E. Sorau, Lusatia, Mann.**—Coloured ladies' cloths. Black cloth.
- 111 **MENDE & SON, Finsterwalde, Mann.**—Pieces of black cloth, various; manufactured from Silesian wool.
- 112 **BOHRMANN, F. A. Goldberg in Silesia, Mann.**—Pieces of cloth, dyed in the wool, black and blue, dark green and red.
- 113 **MARE & WIGERT, Berlin, Mann.**—Cashmere shawls, in sundry colours and designs. Mohair, woolen, and cotton velvets.
- 114 **LEVIN & SONS, Berlin, Mann.**—Cravats. Waist-coats, silk, worsted and silk, and embroidered. Silk and cotton plush. Patterns of sundry silk, and silk and cotton articles.
- 115 **WIGERT & Co. Schmiedberg, Silesia, Mann.**—Cashmere shawls: Coloured and figured velours d'Utrecht; castorine: pallas; tallupp; transparent; leopard, &c.
- 116 **OSERKE, C. W. Berlin, Inv. and Manu.**—Plush for hats, exhibited for colour and texture; manufactured of Italian and French silk, and of cotton spun in England. Silk plush for caps.
- 117 **KAUFFMANN, H. Berlin (Agent in London, C. Schwabemeyer, 314 Oxford St.), Inv. and Manu.**—Printed and other plush for furniture; livery plushes; plush for coats, shoes, caps, &c. Velours of cotton (Castorine).
- 118 **SCHARFF, R. Brieg, Mann.**—Silk and worsted borders, tassels, and gimps, for carriages. Bridles, gun-ribbons, girths, &c.
- 119 **GARAIN, G. Berlin, Mann.**—Various silk goods. Silk and cotton, silk and gold, and silk and silver goods, of original designs.
- 120 **KIRKBEIN, C. Hirschbar, Silesia, Prop.**—Linen, half linen, handkerchiefs, &c., manufactured by the weavers in the neighbourhood of Hurselburg.
- Samples of drugs:—Lovage, hellebore, valerian, Iceland moss, angelica root, bilberries.
- 121 **SEYLESS, G. (Heirs of) Wuerstewalters, Silesia, Merchants.**—Bleached linen, for the South American markets.
- 122 **WENSKY & SON, Wuersteguredorf, Silesia, Mann.**—White linen; No. 101 to 109 are exported to America under the name of platilles.
- 123 **KAUFFMANN, M. Schweidnitz, Mann.**—Half linen Jacquard diapers. Half worsted damask for furniture. Half linen and worsted stuff for apparel.
- 124 **REIMANN & GEHLE, Hirschberg, Silesia, Prop.**—Pieces of bleached linen.
- 125 **ENGEL, E. Jun. Goerlitz, Mann.**—Hunting-bag made out of hemp pack-thread. Samples of two and three-cord extremely fine hemp-twine.
- 127 **STILLER & SON, Sorau, Mann.**—Linen and half linen damask ticking; table-cloth and napkins.
- 128 **KRAMSTA & SONS, Freyburg, in Silesia, Mann.**—Raw and bleached linens, creas and platilles royales. Dessert napkins. Linen handkerchiefs. Diaper, Jacquard, and damask table-cloths and napkins. Raw linen machine yarn. Sample of starch.
- 129 **PRENTZEL, J. C. Greiffenburg, Silesia.**—Linen pocket handkerchiefs.
- 130 **TICHERN & BURGER, Wustegiersdorf, Mann.**—Raw and white household linen; Nos. 1 and 3, 2,400 warp threads; Nos. 2 and 4, 3,200 threads.
- 131 **SCHILDKNECHT, C. F. Berlin, Mann.**—Satin d'Amérique, manufactured out of the fibre of the American aloë for furniture. Shawls of various fabrics.
- 132 **SCHMANN & WISSETHAL, Berlin, Mann.** Agent in London, C. Holland, 41 Finsbury Circus. Plaids, broché, fides, umbrellas, and lucille, manufactured out of cotton and woolen; Esmeralda and umbrella China, out of cotton, silk, and woolen; tartan, all wool.
- 133 **MAYER, MAX, & Co. Berlin, Mann.**—Coloured cotton and silk mixed plush, for export to North America.
- 134 **OPFERSHOFFER & HARTUNG, Berlin, Mann.**—Shawls of various kinds. Plaid, tartan, &c. The woolen yarns used are of German make, except two articles, which are worked partially with English yarns.
- 135 **PINTUS, H. Jun. & Co. Brandenburg, Mann.**—Em-

broidered Llana stuff; Cachemir mixed with silk; double Chiné; Chiné; ermin; Cachemir; and imperial. Manufactured from carded yarn.

136 LEHMANN, D. J. Berlin, Mann. Agents, Ullmann, Hirschhorn, & Co. 2 Wallbrook, London.—Velours d'Utrecht, for furniture, &c. Plush for caps, waistcoats, coats, manufactured partly of linen and partly of cotton, with mohair. Square and double long shawls; and stuff for cloaks of wool, and of cotton, with carded yarn.

137 COHN, PHILIPP, & Co. Berlin, Mann.—Shawls of woollen, half-woollen, and woollen with cotton and silk mixed.

138 LEHMANN, H. Berlin, Mann.—An assortment of deerakin, kid, and lambakin gloves.

139 KOENIG, L. Berlin, Mann.—Camaille from mink tails, with squirrel furs.

140 LOEB, A. Berlin, Mann.—Walking-sticks, riding-whips, life-preservers, &c.

141 BECHTOLD, J. Berlin, Mann.—Specimens of horse and other whips.

142 GRUTZMACHTER & SOHN, Stetting, Mann.—Brown calf-skins.

143 KOPPE, A. Berlin, Mann.—Assortment of cardboard, stone, wood, and leather fancy articles. Alarums; desks with mechanism. A Christmas-tree, the cupola can be transparently illuminated by the lamp inside of it, &c.

144 BERTHOLD, A. Berlin, Mann.—A print in Chinese characters. 4,900 punches in these Chinese characters have been cut in steel for the American Missionary Society in New York. The types are divisible on a new perpendicular system; and form, by combination, 24,000 different characters.

145 ERNST BROTHERS, Berlin, Mann.—Hand-papers for bank-notes, &c., and machine-papers from the paper-mill at Specklausen; and glazing-boards and carton-pierre, for roofing, from the paper-mill of Weitlage, near Neustadt, Eberswald.

146 GLAZZ, P. Berlin, Mann.—An assortment of sealing-wax.

147 LEHMANN, J. Berlin, Inv.—Mass of colour, for printing in oil, a substitute for ordinary printing ink. Specimens of various methods of printing, materials, &c.

148 DECKER, R. L. Berlin, Mann.—Specimens of printing and of printing types. The New Testament, in large folio. The paper is of Berlin manufacture. The types were cut in steel by J. Schilling. The drawings of the initials are by A. Muller. The wood-cuts were executed by Prof. Unzelmann, M. Vogel, and M. A. Vogel, &c. The illustrations were designed by Cornelius and Kanlbach, drawn on wood by M. L. Burger, and executed by the above-named engravers. The binding in velvet is by M. Vogt. The silver ornaments on the cover and the clasps were designed by M. A. Muller, and executed in embossed work by M. Netto. The steel punches of the types, &c.

149 LEIBERANG, W. Berlin, Mann.—Album of velvet, gilt. The method of gilding the velvet is patented.

150 ORTIZ, L. V. D. Straalsund, Mann.—Carpets, table-covers, and pictures, printed upon cotton. Very rare copies of woodcuts, after Albert Durer. Packs of cards.

151 WITTM, G. L. Frankfort on the Oder, Mann.—Machine-paper, coloured or stained, in sundry sizes and qualities.

152 KUHN & SOHN, Berlin, Mann.—Ledgers and ruled papers. Large red-morocco case, for keeping copper-plates, prints, &c. Portfolios, pocket-books, albums, cigar-cases, porte-monnaies, &c.

153 SCHAFFER, OTTO, & SCHIEB, Berlin, Mann.—Samples of ornamental papers. The plates from which these impressions were taken are prepared by the electro-type process from papier-maché moulds.

154 SCHWING, H. Berlin, Mann.—Album in dark velvet, gilt. Altar-bible, in morocco.

155 WAGNER, F. G. jun. Berlin, Mann.—Specimens executed by the lining and relief copying-machines of the exhibitor.

156 MUNKER & KUHN, Berlin, Mann.—Specimens of letter-press printing.

157 KARSCHLITZ, S. N. Berlin, Mann.—Printed table-covers.

158 TRAUTWYN, T. Berlin, Publisher.—Map of the industry of Central Europe, drawn on linen.

159 STEPHAN, A. & Co. Berlin, Mann.—Pieces of cotton-twill dyed, partly without finish, partly glazed and embossed. Exhibited for the colours and the finishing.

160 GLUCK, L. Berlin, Mann.—Berlin paper patterns.

161 STIEFF & HARRAS, Potsdam, Des. and Mann.—Specimens of embossed silk, representing the Neptune grotto, built by Frederick the Great, at Sans Souci. Gentlemen's silk cravats. Silk waistcoating. Embroidered waistcoats.

162 SEIFFERT & Co. Berlin, Mann.—Berlin paper pattern, for embroidery.

163 KOENIG, C. A. Berlin, Mann.—Large carpet, embroidered in cross-stitch. Bed-screen, embroidered after original drawings. Embroidery for a fire-screen, in the velours d'Utrecht fashion. Embroideries extra fine, petit-point in silk. Child's bed-cover, filet-work in silk.

164 BUCHARDT & SOHN, Berlin, Mann.—Printed oil-cloth, table-covers, painted window-blinds, and double floor-cloths; hat-linings; oil-cloth for carriages; carpet.

165 LIPKE, W. Berlin, Mann.—Sofa and other carpets of machine-made felt, and of woven texture.

166 GRUNTHAL, Berlin, Mann.—Paper patterns for embroidery.

167 LEHMANN, M. Berlin, Mann. Agents in London, Jonas Simonsson & Co. 46 Lime St.—Oil-cloths; round table-covers. Painted window-blinds. Patterns of a new waterproof elastic cloth, for railway waggons, &c. Floor-cloths.

168 NEBE, F. W. Berlin, Mann.—Berlin paper patterns for embroidery, new composition.

169 PAREY, C. F. W. Berlin, Mann.—Embroidered carpet.

170 RUDLOFF BROTHERS, Berlin, Mann.—Berlin paper patterns for embroidery, representing Cardinal Ximénés; Laban and Jacob; and Hagar in the desert.

171 TODT, A. Berlin, Mann.—Paper patterns for embroidery.

172 ADOLPHI, C. F. W. Berlin, Mann.—Ladies' boots and shoes, yellow morocco leather; ladies' slippers. Children's boots. Over-shoes, with metal springs.

173 SOMMERFELD, B. Berlin, Mann.—Embroidered altar-cloth, and other specimens of embroidery. Assortment of embroideries, on pocket-books, cigar-cases, porte-monnaies, &c.

174 BECKH BROTHERS, Berlin, Mann.—Carpet in Turkish style, flower pattern, and arabesque pattern, in one piece; and a variety of carpets with figures.

175 DITTLINGER, A. F. Berlin, Mann.—Velours carpets. Rugs. Velours for travelling-bags.

176 GLUCK, L. Berlin, Inv.—Patterns of paper used for embroidery.

177 ANDRESEN, P. Berlin, Mann.—Morning shoes, with embroidery in gold; riding boots; waterproof boots; cork boots, of varnished leather; ball boots for officers in the army, &c. Pegs made by Mr. Mielert, for fastening the soles of the boots instead of sewing them.

178 FREYTAGT BROTHERS, Berlin, Mann. Agents in London, Krohn Brothers, 1 Bread St.—Silk-shag hats, worked upon felt and chip; lady's riding hat, with veil.

- 179 **PLUMMER**, S. Berlin, Manu.—Doe-skin gloves. Washable kid gloves. Ornamented gloves, for ladies. Silk braces, &c.
- 180 **WOLTER**, G. C. Berlin, Manu.—Coloured kid gloves. Lamb-kin, deer-kin, dress, and other gloves. All made of German leather.
- 181 **SALOM**, C. Berlin, Manu. Agent in London, C. SCHWABENBERGER, 314 Oxford St.—An assortment of felt hats, silk-shag hats; felt bonnets; imitation felt hats and bonnets. Several of these articles are made of new materials.
- 182 **LIETTMANN**, J. C. H. Rummelberg, near Berlin, Manu.—Shoe vamps and legs: the leather from which these articles are cut is tanned by a patent process invented by the exhibitor, which renders it durable and waterproof.
- 183 **MÜLLER**, T. L. Berlin, Manu.—Boots for deformed feet. Feet and lasts modelled after nature.
- 184 **FRITZNER**, C. Berlin, Manu.—Boots and over-shoes.
- 185 **SCHNEIDER**, F. Potsdam, Manu.—Lamb-skin and kid gloves.
- 186 **VASSEK & Co.** Berlin, Manu.—Silk hats. White and grey beaver hats. White, black, and natural beaver ladies' hats. Silk riding hats, for ladies.
- 186 **MORRIS**, W. Berlin, Manu.—White satin boots. Boots of chamois and enamelled leather. Clogs. Calf-leather boots of ordinary appearance though fitted for a deformed foot.
- 187 **HEWKEK**, J. A. Berlin, Manu.—Cutlery manufactured of refined steel, the produce of the smelting works of Siegen.
- 188 **BAIRDFIELD**, C. Posen, Manu.—Reindeer skin breeches. Doe-skin gloves and braces. Leather braces. Knee girths.
- 189 **ARNHEIM**, S. T. Berlin (Agents, Krohn Brothers, 1 Broad St. London).—Iron-safe bureau: the large doors, cases, and locks open and shut, notwithstanding their great weight, with perfect ease. Exhibited for workmanship.
- 190 **ZOBEL**, W. Berlin, Manu.—Sliding and regulator lamps electro-plated. Brass lamps. Lamp with spring pressure. Lamp for cooking. Lanterns.
- 191 **VON MINUTROLI**, A. Councillor, Liegnitz, Prop.—Photographic copies of models for manufactories executed by the photographer Birk, at Hirschberg. Phelloplastic model of the ruins of a Gothic church. Silesian marble slabs. Chimney-piece, brown glazed, to exhibit the application of clay formerly only used for pottery to finer objects. The designs and models by the exhibitor, and executed by Mr. Poekle. Crystal glass decanter, after a sketch by the exhibitor; executed by the glass-painter Finsch, at Warmbrunn.
- 192 **LEOFF**, S. Berlin, Manu.—Porcelain coffee machines and teapots. Sliding and table-lamps. The porcelain made at the Royal Manufactory, Berlin.
- 193 **BENKEK**, W. Neustrelitz, Manu.—Tin-plate portable steam-producing apparatus. Brass stoves for heating rooms by steam.
- 194 **KUMMER**, K. W. Berlin, Inv.—Globe in relief, four feet diameter, on a pedestal.
- 195 **ZOBEL**, J. Berlin, Manu.—Varnished tin articles, representing *Callis æthiopicæ*, &c. in blossom. Embossed fruit-baskets. Bread-baskets, with pierced edges, and with fine network.
- 196 **KOLESC**, D. Stettin, Manu.—Iron safe, the locks so constructed that they cannot be opened without the maker's explanations.
- 197 **LEHMANN**, A. F. Berlin, Manu.—Cast-iron balcony decoration, crucifix, and altar candlesticks. Various cast-iron large and small articles and ornaments.
- 198 **LEWY**, M. Frankfort-on-the-Oder, Manu.—A variety of tin and tin-plate articles.
- 199 **STOWASSER & Co.** Berlin, Inv.—Japan articles, ornamented with paintings, &c. Lamps, in German silver, bronze, brass and composition, gilt, &c.
- 200 **BOELLK**, F. A. Berlin, Manu.—Cast-iron chimney-piece, varnished; two side-pieces of cast-iron.
- 201 **LAMOR**, C. Neu Strelitz, Manu.—Air-tight door to a stove for heating rooms. Drawing of a stove, constructed after the principle of the safety-lamp of Sir Humphry Davy.
- 202 **SCHWARTZ**, C. Berlin, Inv. and Manu.—Brocetolets, a brooch, a pair of earrings, and a brooch, representing a combat between a lion and serpent, set with diamonds.
- 203 **SCHNEIDER**, F. Berlin, Inv.—Writing-stand, partly of gilt silver and partly of gold, under a glass cupola, upon a rosewood column. Daguerreotype plates, plated by galvanic process, and flattened without hammering.
- 204 **WINTERFELD**, J. A. Breslau, Manu.—Articles in yellow and white amber: vase of yellow amber; set of chess-men; set of ladies' ornaments; buttons for ladies' dresses; amber top with a meerschaaum pipe, &c.
- 205 **JANZEK**, G. E. Stolp.—A set of yellow amber ornaments chased with gold. Toilet-table, bearing a tureen, two candlesticks, and six wine-glasses, all of yellow amber.
- 206 **GARNITZER**, A. Stettin, Manu.—Cage for a parrot in Berlin silver.
- 206 **STRAHL**, O. Frankfort-on-the-Oder, Manu.—Gilt and decorated fruit-vases. Coffee and tea-service. Cake-dishes, cabarets, &c. Assortment of white crockery ware of the best description.
- 207 **WILLIAM**, B. Warmbrunn, near Hirschberg, Silesia, Prod.—A collection of octagonal topazes. Large topaz seal-stamp. Topaz cane-heads.
- 208 **THE GLASSWORKS OF THE COUNT OF SCHAFFOOTZCH**, Josephinenhütte, near Warmbrunn, Silesia, Manu.—Flower decoration. Colossal ruby vases. Enamel-like flower vases. Aquamarine-enamel vases, with gilt decoration. Sugar-water set. Chalice-glasses, with carved arabesques, and with handles carved, &c.
- 209 **WILLMANN**, C. W. Berlin, Manu.—Cut plate-glass, representing the theatre and the two turrets of the churches adjacent on the Gendarmes Square at Berlin.
- 210 **COUNT SOLMS**, Administrator of the Glass-works, Bernuth, near Berlin, Manu.—Samples of coloured glass. Lamp glasses; a variety of tumblers, wine, and champagne glasses. Coloured bottles; blue glass plate.
- 211 **FINSCH**, M. Warmbrunn, Silesia, Manu.—Punch-bowl, with cover, spoon, tray, and glasses. Vases of alabaster. Decanter, with glasses and tray. Wine-cup, with white opaque lines; and with deep and raised cut decorations upon a dull ground.
- 212 **LURIKW**, J. F. & Co. Berlin, Manu.—Various glass articles for chemical or experimental purposes.
- 213 **THE ROYAL PRUSSIAN PORCELAIN MANUFACTORY**, Berlin.—Vases, with paintings after Peter Vischer, Midris, Slingeland, Von Klöber, and Bellermann. Chandeliers of a green mass, with biscuit-figures upon a bronze socket, and pedestal of gypsum-marble, with nineteen bronze candlesticks, and bronze lustres. Punch-bowl, with the painting of a drinking company, after Hogarth. Flower vessel, after Watteau. Octagonal dejeuner, of eight pieces, in lapis-lazuli ground, &c.
- 214 **ACTEN**, V. Wilhelmshütte, near Sprottau, Manu.—An assortment of enamelled stone-ware.
- 215 **ALTMANN**, J. G. Bunzlau, Manu.—Specimens of earthenware, including a coffee-pot to contain 200 cups.
- 216 **FRANKENBERG**, L. Count of, Tillowitz, Oppelu, Manu.—Earthenware console, silvered. Fruit baskets. Earthenware vases, silvered and gilt.
- 217 **MATTHIAS**, J. G. H. (Widow), and SOX, Frankfort-on-the-Oder, Manu.—Crockery and earthenware, comprising

consoles, lamps, vases, plateaus, and fruit shells, of clay in the vicinity of Frankfort.

218 **FAITSCH & HEITZE**, Frankfort-on-the-Oder, Mann.—A large assortment of earthenware crockery, manufactured from material found in Frankfort.

219 **TIELSCH, CARL, and Co.** Altwasser, Silesia, Mann.—Extensive assortment of painted and white porcelain china, made of the purest porcelain clay, and remarkable for its clear white and shining glaze. This china is known in all Germany, and is exported to Sweden, Denmark, Norway and North and South America.

220 **VILLEMOR & BOSU**, Watterfangen and Whettlach, near Treves, Mann.—Fine stone-ware, decorated with ornaments of the same material, but differently coloured with platinum, gold, and paintings. Common and fine pottery-ware. Kitchen pottery of black material with white enamel, called iron ware.

222 **BOSCH, A. L.** Potsdam, Mann.—A number of figures and consoles, in stone and wood, carved, bronzed, and gilt.

223 **BAUER, R.** Schwerin-on-the-Warthe, Inv. and Mann.—Flower table, with a bird-cage of oak wood, in the gothic style.

224 **BAUMANN, LOUISE**, Berlin, Inv.—Fire-screen, with plush embroidery.

225 **ZENIG, H.** Breslau, Mann.—Bell-ropes of coloured silk, silk and gold, silk and silver.

226 **GROFJUS, P.** Berlin, Mann.—Agents, W. F. Sachse, 36 Trinity Sq. Bow, and Kingsford & Lay, London.—A wall ornament, consisting of figures upon brackets, looking-glasses, medallions, and sundry other articles in carton-pierre, with marble plate.

227 **MULLER, F.** Berlin, Mann.—Samples of gilt frames, which have lasted seven years, and which were (with the exception of four corner pieces) gilt by a process that secures durability.

228 **STRAB, sen.** C. G. Berlin, Mann.—Toilet-table of crown morocco leather and red velvet, exhibited for superior workmanship. A collection of fancy leather articles: exhibited for cheapness and solidity of workmanship.

229 **RICHTER, G.** Berlin, Mann.—Plate cabinet and étagère cabinet of rosewood, richly carved: exhibited on account of their workmanship and the beauty of the wood.

230 **ELSBOLD, F.** Berlin, Mann.—Slabs of parquetted flooring.

231 **ALBERTI BROTHERS**, Waldenburg, Silesia, Prop.—Platilles royales, as exported to Mexico and the West Indies.

232 **BECKER, F. E.** Berlin, Mann.—Easy chair, with mechanism, and a reading-desk attached.

233 **BELOW, F.** Berlin, Mann.—Pattern-card of papier-maché gilt cornices.

234 **BENNER, D.** Berlin, Mann.—Painted window-blinds in colours, and in sepia.

235 **CANTIAN, —** Berlin, Inv.—Marble pedestal. Table-top of marble. Circular table-top of red granite. Large vase with pedestal.

236 **KUTTZER, A.** Wolgast, Mann.—Linen press.

237 **SCHIEVELBIN, J. F. E.** Berlin, Mann.—Octagonal mosaic table of rare Indian woods. Samples of the wood. Easy chair capable of being taken asunder.

238 **SUMMERFIELD & HURVEY**, Potsdam, Mann.—Round mahogany tables.

239 **WAMP & SCHRODER**, Berlin, Mann.—Painted window-blinds.

240 **MARCK, E.** Thiergartenfelde, near Charlottenburg, Mann.—A fountain, with group of children, &c. Gothic and Italian vases. Four figures of soldiers, at Berlin, with Gothic pedestal brackets manufactured out of highway dust. Mosaic slabs. Chemical apparatus.

241 **UWIGVIZ, C.** Hirschberg, Mann.—Porcelain water-pipes.

242 **EWIGLER & SOW, H. M.** Berlin, Mann.—An assortment of brushes of every kind and description. A plate with the royal Prussian arms, &c. formed of hair in the manner of brushwork.

243 **KERLTZ, A.** Berlin, Mann.—Papier-maché frames for daguerreotype pictures. Sundry articles, as pocket-books, cigar-cases, &c. used as frames for daguerreotype pictures.

244 **D'HUMBERG, C.** Berlin, Mann.—Bonnets, of Brussels, Swiss, and Saxon straw; and Italian chip. Leghorn bonnet and table covers, the Prussian and Bavarian arms, embroidered with straw and Manilla hemp.

245 **DREZNER, W.** Neu Ruppin, Mann.—Writing-desk, with an iron safe and a clock. Ladies' casket. Work-table.

246 **KOCHNER, M.** Schönau, in Lower Silesia, Mann.—Basket, the mass of which is a composition of tin, lead, and glass, and consists of many thousand separate parts, which are soldered together and fastened upon wire rings.

247 **MESS, L. & Co.** Brandenburg, Mann.—Sample-card of wood list-gilt.

248 **GERHARDT, C. A.** Berlin, Prod.—Portfolios and albums, in morocco and velvet. Pocket-books, cigar-cases, porte-monnaies, &c., with arabesques and medallions stamped upon the surface of the leather or velvet by a peculiar process.

249 **MOUJAC, E.** Berlin, Mann.—Samples of decorations in stamped paper. Gold-paper pressed objects. Sundry objects used in the cotillon dance. Wreaths, &c., composed of artificial paper flowers.

250 **WUNDER, L.** Liegnitz, Mann. Inv. and Prop.—Sample of best tallow house-soap. Best palm-oil house-soap: Pine-apple soap, invented by the exhibitor.

251 **MANUEL, F.** Weissenfels, Mann.—A newspaper pocket, or envelope.

252 **GERLACH, C. F.** Nuremberg, Mann. Agent in London, A. Heinemann, 16 Colebrook Row, Islington.—Paper boxes with tin toys.

253 **RINGELMANN, Hirschberg, Silesia, Mann.**—Stuffed goat. A stuffed colt, without a seam.

254 **DAEMKE, H.** Quaritz, Province of Lower Silesia, Mann.—Specimens of soaps in various designs.

255 **SARR, H. jun.** Berlin, Mann.—Green soap, with natural grain. White grain soap (Elain soap). Palm-oil soda soap. Tallow soap.

256 **RAHM, A. E.** Berlin, Mann.—Dolls of various kinds.

257 **WINDOR, M.** Berlin, Mann.—Umbrella and parasol sticks.

258 **SCHMIDT, J. C.** Erfurt, Mann.—Wax baskets and flower-pots.

259 **ZESCHKE, L.** Mullrose, near Frankfort-on-the-Oder, Mann.—Hunting and shooting bags. Hare and wildfowl bags. Large net bags.

260 **KREIM, W.** Berlin, Mann.—Purses, cigar and fuzee-boxes, pocket-books, spectacle-cases, ladies' boxes, card-cases, letter portfolios, and purses.

261 **KREMERICH, L.** Schwiebus, Mann.—White wax baskets, with painted and gilt decorations. Coloured wax octagonal basket. Decorated wax tapers.

262 **MOYARD, A.** Berlin, Mann.—Samples of stearine from tallow, prepared in various modes. Stearine candles. Grease from palm-oil, and candles manufactured from the same, and with an exterior coat of stearine.

263 **PALE, A.** Berlin, Mann.—Tallow-oil and palm-soap. Tallow for candles, &c. The tallow used in these articles is of Prussian production; the palm-oil imported from Liverpool.

264 **SCHNEIDER, H.** Berlin, Mann.—Cigar-cases, portfolios, embroidered card-holders, purses, pockets for keys, of straw and leather in combination.

265 SEELER, G. Berlin, Manu.—Toys, an English regiment on parade in presence of Her Majesty Queen Victoria and of her royal suite, formed of painted pewter figures, &c.

266 FECHNER, F. Guben, Manu. Gilt and ornamental borders. Artificial flowers and leaves. Gilt, silvered, and coloured paper. Articles used by bookbinders, leatherworkers, confectioners, and perfume-makers.

267 GEM, M. Berlin, Manu.—Statues cast in zinc: Eva, after Bailey. Boy with a Swan, after Kalide. Two Stags, after Rauch. Niobe, after the antique. Hebe, after Canova, &c.

268 BORNEMANN, L. Warmbrunn, Province of Silesia, Inv.—A landscape and several figures of animals, of very diminutive size, cut out of bone.

269 DAHMEN, A. Berlin, Inv.—Wreath of flowers, carved out of a solid piece of oak, applicable as a frame for a painting.

270 ALBERT, J. Berlin, Inv.—Frame, carved in wood and gilt, after a drawing by Sillier; and Madonna, carved out of linden-wood; the property of H. M. the King of Prussia. Relief, carved in wood, representing Silenus inebriated, after the antique.

271 THE ROYAL PRUSSIAN IRON FOUNDRY, Berlin.—Group of figures in cast-iron. The Warwick vase, gilt inside. The Athenian vase, with figures and handles, and gilt inside. The Alexander vase, the border decorated with reliefs after Thorwaldsen, representing Alexander's entry into Babylon. Mounted with silver, and gilt inside.

272 ESCHLER, G. Berlin, Inv. (Agents in London, Williams & Norgate, 14 Henrietta St. Covent Garden).—Bas-reliefs, in plaster of Paris, after Thorwaldsen. Plaster of Paris casts of antique and modern gems. Portraits and medallions, cast in plaster of Paris, after sculptures of German artists of the 16th century, &c.

273 DRAKE, PROF. F. Berlin, Inv.—Cast of size, of a part of the pedestal of the marble monument of Frederic William III. of Prussia, erected at Berlin. Boy reclining, in marble.

274 ENGEL, F. Berlin, Inv.—Model of Fresmil's undulating plain. Model of an ellipsoid.

275 MÖHRING, F. L. Berlin, Inv.—Electro-galvanic bust. Alto-relievo and table ornament, after Tieck, in two colours, electro silvered and gilt. Flower vases, &c.

276 LIEDEL, C. I. Warmbrunn, Inv.—Artificial compositions of moss and paper, representing Warmbrunn in Silesia, Kösen near Naumburg, the lead chambers at Venice, the Rochefall, a mill on the hills. Chiefly made by the exhibitor himself.

277 KRUSE, C. B. Stettin, Inv.—Cork models of the gate at Basle; castle of Rheinstein on the Rhine; castle Langenan on the Lahn; ruin of the gate at Damascus; castle of Rhineck, &c.

278 KRAUSE, M. Berlin, Inv.—Casts of the Twelve Apostles, which were carved in onyx, and fixed in the shield, presented by the King of Prussia to the Prince of Wales. Bracelet of various pastes, with casts after gems in the Royal Prussian Collection, encased in gold.

279 KUN, PROF. A. Berlin.—Group, in zinc, bronzed, representing an Amazon on horseback attacked by a tiger, after one cast in bronze in 1833, by a number of amateurs, and presented to the King of Prussia, and which was placed by his Majesty's command in front of the Royal Museum, Berlin, designed by the exhibitor, cast in zinc and bronzed over by M. Geim, of Berlin, in his peculiar manner. Group in bronze, as above, on a small scale.

280 DEVALEANS & SON, Berlin, Inv.—Zinc casts:—Lion. Panther. Venus. Boy with a squirrel. Head of Paris. Stag's head, lion's heads. Assortment of fine cast-steel Jewellery.

281 FISCHER, K. Berlin, Inv.—Portrait of Her Majesty

the Empress of Russia (onyx). Various medals in bronze. Phrixus and Helle; relief in ivory. Original composition.

282 WINKELMANN, J. Berlin, Inv.—Statue of Frederick II., Elector of Brandenburg, produced by electrotype process. Trays; vine-bearer; large antique bowl; reliefs; chandeliers; candlesticks; candelabras, &c., all produced by the same process.

283 FRANZ, J. Berlin, Inv.—Model in plaster, a shepherd attacked by a leopard.

284 HÄHNEL, E. Berlin, Inv. (London agent, M. Kronheim, 33 Paternoster Row).—Specimens of bank-notes; labels, &c. in black, colours, and gold. Specimens of type. Brass types for bookbinders and gliders, and electro-typed matrices for casting large types, &c.

285 KALIDE, T. Berlin, Inv.—Group: the Bacchante with the Panther. Cast of plaster of Paris from marble. A Boy with a Swan, in bronze, the property of H. M. the King of Prussia.

286 FRYFFER, C. Berlin, Inv.—Various medals, in white and bronze metals.

287 MÜLLER, —. Berlin, Inv.—Ornamental castings in bronze: the Prince of Prussia, and Prince Albert of Prussia on horseback. A broken spider-web. These articles are unique, as the models did not admit of multiplication. The first two were finished in one casting, the others required two castings.

288 SONDERMANN, —, Artist of the Royal Academy, Berlin, Inv.—Stag's head, of plaster of Paris, saturated with wax and varnish. Buck's head, of stone.

289 FRIBEL, L. Berlin, Sculpt.—Newfoundland dog in bronze, after the model of Mölller, and figure base, cast in one piece, and has not been retouched by the chisel. Bronze figure with pedestal representing Hope; after the model of Rauch, cast and chiselled by the artist.

290 HETTMANN, C. Berlin, Prop.—Architectural works. Map of Berlin, Potsdam, &c., exhibited as specimens of lithography.

291 SEELING, G. W. Berlin, Inv.—Front of the Royal Arsenal, Berlin, employed in 1844 as the emporium of the great German Exhibition. The principal material is paper; the moulds for the bas-reliefs, &c., cut by the medalist Fischer.

292 MÖLLER, C. Berlin, Inv.—Bronze groups: Boy with a Newfoundland dog; Girl with a bull-dog.

293 FRANZ, J. Berlin, Inv.—Bronze figures of Victory after the original of Rauch. Bronze figure: Victory recording her heroes.

294 FADDERJAHN, B. Berlin, Inv.—Casts from moulds used in the manufacture of ornamental paper and of embossed silver. Bronze cast of a gothic bas-relief, in commemoration of the union of the German Princes for the completion of the cathedral at Cologne, after a drawing by Prof. Hoffstadt of Munich.

295 BRAWCOOL, F. Berlin, Inv.—Marble busts; Shepherd after Thorwaldsen; Paris after Canova; Venus after Thorwaldsen.

296 FISCHER, C. H. Berlin, Inv.—Figures in bronze; Eagle; a Girl praying; a Danaide.

297 DIETRICH, F. Berlin, Inv.—Two heads of children at play, in Carrara marble.

298 FRAU, G. Berlin, Inv.—The Butterfly catcher, cast in bronze.

299 KESLER, C. Griefswald.—Bronze full length statue of the muse Polyhymnia, after the antique statue in the Royal Museum, Berlin.

300 KOKARZEWSKI, A. Berlin, Sculpt.—A bronze group representing a child with a clock, modelled by Albert Wolf, sculptor and member of the senate of the Academy of Fine Arts at Berlin.

301 MANN, H. Berlin, Inv.—Collection of models for gliders, in a composition of sulphur.

302 RUMER, Dr. Oranzenburg, Inv.—Paintings produced by chemical action; the process is applicable to the purpose of painters, designers, and calico printers. A new invention.

303 SCHRAPP, SIMON, & Co. Berlin, Publishers.—Copper-plate printed maps. Lithographic printed and coloured maps, and geological maps by the most eminent artists of Berlin.

304 STYTTER, C. G. Breslau, Prop.—Model of an old Greek theatre, made of paper.

305 SUMMANN, L. Berlin, Inv.—Model of the obelisk of Luxor, at present on the Place de la Concorde, at Paris; electrotype and gilt. The electrotype art has here been employed to exhibit the plaster of Paris model with accuracy; this is difficult to attain in the ordinary process of casting; from the shrinking of both the mould and the metal.

306 WINKELMANN & SOHN, Berlin, Inv.—Lithographic prints; coloured and executed by the exhibitors; exhibited as specimens of the state of lithographic art in Berlin.

307 WOLFF, A. Berlin, Des.—Marble statue—Girl with a Lamb.

308 ZESKE, F. W. Berlin, Painter.—Ten panes of painted glass.

309 BRUNHARD, J. Berlin.—Bronze portraits: Prince of Prussia, Princess of Prussia, General Wrangel, and Professor Rauch. Bronze statuette: Virgin and Infant, invented and executed in bronze by the exhibitor, and chiselled by Mr. Mertens, the artist of the "Shield of Faith" (presented by the King of Prussia to the Prince of Wales).

310 BLANKER, G. Berlin, Inv. and Mod.—Statue of Louis van Beethoven, in bronze. Equestrian statue of the Empress of Russia, in bronze. The chisings by A. Konarzewski, academic artist.

b. COLOGNE.

311 BUEGL, J. Blessen, near St. Wendel.—Manganese in masses and in powder.

312 BRESSOF & RHODIUS, Linz, on the Rhine.—White lead and white zinc; Kremerweiss pure carbonate of lead. Hard and soft ceruse.

313 BLEIBTREP, L. Bonn.—Two cylindrical blocks of alum, common and refined. The Rhenish alum is usually conveyed in crystallized cylindrical blocks without any external case to protect them.

314 BRASSER & Co. Cologne, Inv. and Mann.—Oxidized plates of lead. The exhibitors state that by adopting precautionary measures, they prevent the noxious effects of the manufacture.

315 BREDT & Co. Stolberg.—Ores of zinc and lead; Willemite; Calamine; Steinfurth; chlorophosphate of lead. White lead, carbonate of lead, and sulphuret of lead from the mines of Busbacher and Zufriedenheit, &c.

316 MEINERHAGEN, & KREUSER BROTHERS, Mechenich and Commerz.—Lead-ore, from the mines of the Count Lippe, and of the Menra. Kreuzer, on the Lead mount in the Eiffel country. Metallic lead, shot, &c.

317 FOREST & HARPERATH, Cologne, Mann.—Richly ornamented white marble chimney-piece, in renaissance style. Slab of coloured marble.

318 SOCIETE DES MINES ET Fonderies d'Eschweiler, Stolberg.—Samples of lead and zinc ore. Piece of silver, weight about 11 lbs. Spelter, and refined lead.

319 VON MULMANN, A. Plato Zeche, Prop.—Specimens of peat. Fire clay and fire brick. Crucible.

320 WALDTHAUSER, O. W. Ravenburg.—White lead; exhibited for beauty and cheapness of manufacture.

321 LASHAU, S. Coblenz and Andernach, on the Rhine.—Lava millstones, from the lava quarries of Nieder Mendig, near Andernach on the Rhine. They can be procured as large as 6 feet in diameter, and 18 inches thick. The quarries are supposed to have been worked for twenty centuries.

322 HAGEN, F. Cologne.—Ores of zinc (calamine from Margaretha Josephe mine at Berg. Gladbach, near Mülheim on the Rhine; and spelter—fair average specimens of the produce of the mine.

323 KOWIG, G. Treves.—Sandstone for buildings and sculpture. Specimen from Udelfangen, very strong; from Aix, and of the same sort as that used by the Romans for the Porta Nigra, at Treves; from Lorch, Menningen, Wasserlich, and Tawern.

324 STEELWORKS, Lohse, near Bonn.—Specular steel-iron, produced from carbonated iron ore. Pig-iron. Iron ore, to be used in the production of natural steel. Natural steel. Carbonated iron ore, from the mine Stahlberg, near Müsen, district of Siegen. Hydrated oxide iron ore, from a mine in the neighbourhood of Müsen.

325 WEKER, C. Mannheim, Mann.—Rough pebbles, taken from the bed of the Rhine, cut as diamonds. Exhibited for the cutting, which caused the exhibitor a twelve-month's incessant labour.

326 HEDWORK & SOHN, Lohhütte, near Bonn, Mann.—Specimens of steel.

327 MARQUART, Dr. L. C. Bonn.—Chloroform, sulphuric ether, concentrated acetic acid, and other chemicals.

328 PAUL, O. Carlsruhe, Mann.—Specimens of prussiate of potash, sal-ammonia, muriate of ammonia, and phosphorous.

329 The CORPORATION of MILLERS, Lissa, Mann.—Samples of stamped millet, buckwheat groats, and oatmeal.

330 EIPENSCHILDE, L. Neuwied, Mann.—Potato flour.

331 WELCKER, A. C. Wallerabeim, near Coblenz, Mann.—Farina, or improved potato flour; the same, ground. Extensively used for stiffening muslins, &c.

332 WAHL, F. Neuwied.—Sago and potato flour. Manufactured without the use of any chemical substance.

333 WEERTH, A. & Co. Bonn.—Samples of potato flour.

334 WIESMAN, A. & Co. Augustenhütte, near Bonn.—Mineral oil, bituminous paper coal, fossil black, paraffine, and fire-lac.

335 FLOCKENSHAIN & Co. Cologne.—Coloured flock wool; printed half wool and silk; and merino wool. Nap tincture, used in the treatment of linen and cotton threads in all dark-coloured cloth.

336 LOOKEN, J. G. Cologne.—Samples of Cologne glue.

337 ROMER, C. Brühl, Mann.—Refined oil, obtained from bones and other animal substances, and which remains fluid till the thermometer sinks below zero.

338 METZ, A. & Co. Eich, Luxemburg.—Cast-iron stove; German eagle as on the fortress of Luxemburg. Cog-wheels for machines.

340 MEGELBIER, J. Aix-la-Chapelle, Mann.—Carriage, called calash, with Collinge's patent springs of English steel; the body of mahogany panels, the inside lined with Lyons silk.

341 MIER, J. Cologne, Mann.—Various trusses and bandages, exhibited for their simplicity and cheapness.

342 BERLIN, L. R. & LOBE, Neufchatel, Inv. and Mann.—A ship's chronometer, and an explanatory plan, being a novel invention.

343 DORER, M. Baden, Mann.—A seconds'-watch, made of ivory, with gold screws and steel moving power. It works in ten rubies, and weighs, glass and vase included, only half an ounce. Another, weighing five-eighths of an ounce.

344 BAUNSCHEIDT, C. Enderich, near Bonn, Inv.—"Life-animators, new instruments for the medical art." Artificial leech.

345 **REYERS & Co.** Cologne, Manu.—Printed calicoes and headkerchiefs.

346 **BOUYER, J. & G.** Zambona, near Aix-la-Chapelle, Manu.—Woolen cloth.

347 **CHENSTOFFEL, L.** Montjoie, near Cologne, Manu.—Woolen buckskins for winter and summer.

348 **ELBERS, J. H.** Montjoie, near Cologne, Manu.—Fancy cassimeres of 56 inches and 28 inches.

349 **JANSEN, J. W.** Montjoie, near Cologne, Manu.—Woolen stuff for summer paletots. Woolen summer buckskin, worked with silk. Woolen winter buckskin, manufactured chiefly from wools of Silesia.

350 **OTTENMANN, F. W.** Aix-la-Chapelle, Manu.—Coloured buckskin.

351 **MENKELBACH & SON,** Montjoie, near Cologne, Manu. Winter, summer, and fancy buckskins.

352 **MÜLLER, M. W.,** Montjoie, near Cologne, Manu.—Winter and summer buckskin. Summer paletot of Austrian wool.

353 **SAUKBIER, J. A.** Montjoie, Manu.—Winter, summer, and fancy buckskin.

354 **SCHIEBLER, F. J.** Montjoie, near Cologne, Manu.—Summer buckskins. Flannel, made from yarn, which is a mixture of silk-waste and wool. Hitherto, silk and wool have only been used together twisted, or the warp was silk and the weft woolen. The peculiarities of this article are, that the silk and wool are more solidly united, and may be spun finer than when alone. Jacquard designs for winter goods.

355 **ULLEWBERG & SCHNITZLER,** Opladen, near Cologne, Manu.—Woolen yarns, and knitting worsted yarns of various colours. Patterns of screws: the wire produced from Rhenish and Westphalian iron.

356 **MEYERBATH, J.** Ingenbruch, near Aix-la-Chapelle, Manu. (Agents in London, Droin, Crüger, & Co., 47A Moor-gate St.)—Black cassimeres (satin-de-laine) manufactured from Silesian wools.

357 **HAAS & SOHN,** Borette, near Aix-la-Chapelle, Manu. (Agent in London, H. Hoffman).—White cloth; white cassimere for court waistcoats; white satin for court dress; satins; and doeskins.

358 **VINEUR, P.** Aix-la-Chapelle, Manu.—Doeskins and ladies' cloth.

359 **ZAMBONA, J. & G.** Borette, near Aix-la-Chapelle, Manu.—Winter Cashmeres; demi-season and summer; black winter and summer tricots.

360 **ANDREAE, C.** Meilheim-on-the-Rhine, near Cologne, Manu.—Velvets: German, Lyons and Genoa styles; mantilla. Black figured velvet shawl. Worsted plush, for furniture &c.

361 **GWOS & SCHMIDT,** Sowlitz, Prop.—Black and coloured broadcloths. Ladies' cloths, black and blue. Broad buckskin.

362 **BOHME, C. L.** Aix-la-Chapelle and Ingenbruch, Manu.—Cashmere cloth—Pensée, black, and olive.

363 **BRODMANN & Co.** Borette, near Aix-la-Chapelle.—Thin and heavy fancy Cashmeres. Mohair headings. Mohair cloth of fine twisted yarns.

364 **FEAUX & RIEDEL,** Aix-la-Chapelle, Manu.—Russia cloth, bronze, for riding-coats. Piece of wool satinet; black croisé; and black royal Cashmere.

365 **SCHOLLER, J. P.** Düren, Manu.—Wool-dyed black superfine cloth; wool-dyed blue marine cloth. Black superfine satin-de-laine. Made and finished after the English methods.

366 **HANN, C. & SOHN,** Moselkern, near Coblenz, Manu.—Woolen coverlets, viz.:—White blanket, with red stripes. White and red check blanket. Horse-cover. Ordinary grey blanket, &c.

367 **HENDRICH, FRANCIS,** Eupen, near Aix-la-Chapelle, Manu.—Specimens of fine and superfine cloths.

368 **PAULI & BOCUSOLZ,** Borette, near Aix-la-Chapelle, Manu.—Black royal; croisé; Cashmere; satin; and satin tigre.

369 **FEIL & Co.** Düren, Manu.—Wool-dyed cloth: Blue Grecian, olive, and royal blue. Raw material. Silesian wool.

370 **KAYERS, A.** Aix-la-Chapelle, Manu.—Thin twilled cloth, and ladies' cloth.

371 **KUNZELHARD, J. H.** Aix-la-Chapelle, Manu.—Black twilled cloth, plain cloth, and doeskin.

372 **KLEINSCHMIT & VON HALFRY,** Burscheid, near Aix-la-Chapelle, Manu.—Drap croisé noir Electoral. D'Amasone Corinthie. All piece-coloured, and manufactured exclusively from German wool.

373 **KNOPS BROTHERS,** Alora, Aix-la-Chapelle, Manu.—Black cloth, plain, and twilled; and black doeskin.

374 **SCHOLLER & SOHN,** Düren, Manu.—Woolen cloths: Wool dyed blue cloth; pomme de rhépe; black. Scurier. Claret. Raisin de Corinthie. Crêpe de laine, broncé d'or, blue.

375 **TRYWISSEN BROTHERS,** Aix-la-Chapelle, Manu.—Light twilled cloth; doeskin; paletot; tricoot; fancy and silk twisted, and Cashmere.

376 **STRANICKEL & GÜELCKER,** Eupen, near Aix-la-Chapelle, Manu.—Black twilled cloth.

377 **PAGE, C. G.** Remscheid, Manu.—Silk serret and flioret twilled and silk ribbons. Coloured twilled; black shining; reddish twilled flioret; white twilled; and coloured fine flioret silk braid. Black shining Renforce silk laces.

378 **ANTHONY, H. A.** Aix-la-Chapelle, Manu.—Various specimens of black cloth.

379 **ANDREAE, C.** Wültsheim-on-the-Rhine, near Cologne, Manu.—Velvet ribbons. Gilets velours, double stamped—a new article. Gilets velours chiné; figured velvet; and silk plush.

380 **FEUER & GUILLEAUME,** Cologne, Manu.—Iron-wire ropes manufactured from German iron-wire. Ropes, cords, and threads, manufactured from Manila, Rhenish, Russian, and Italian hemp. Samples of starch, manufactured of wheat.

381 **FEDERER BROTHERS,** Freyburg, Manu.—Black polished calf-skin leather. Boot leather. Boot-pieces of calf-skins leather.

382 **HEINZE & FREUDENBERG,** Weinhelm, Manu. (Agent in Liverpool, Mr. L. Helntz, 1 School Lane).—Calf-skins, japanned black, and black polished, for boots and shoes.

383 **ORNBACH, H.** Treves, Manu.—Skins of Morocco leather. The tanning has been effected by aspen and birch, till now not used in the department of Treves. German and Java upper leather; calf leather; leather for soles, tanned with the inner and smooth bark of the oak.

384 **WERNER, W.** St. Vith, Manu.—Hide of a Java black calf's skin, entirely tanned in five months.

385 **BERRER, M.** Treves, Manu.—Leather, consisting of hides tanned with bark from the environs of Triers.

386 **BUSCHMANN, J. W.** St. Vith, Manu.—Hide of leather for soles; tanned skin of a Buenos Ayres ox.

387 **LEUDERSDORFF, A. C.** Mulheim.—Specimen of neat's leather and calf leather; and pair of boot legs.

388 **MÜLLER, J. F.** Munchenberg, Manu.—Leather bridles, with steel bits and snaffles. Hunting pocket, with a net.

389 **ENGEL, P. H.** Hesse, Inv. and Manu.—Proof prints, by an improved printing press, with some original stamps.

390 **SOMMER, J.** Heidelberg, Manu.—Portfolio and writing apparatus. Glove-case, velvet, and ivory. Small writing-desk, papier-maché. Ladies' work-box. Pocket-book, &c.

391 **KARCKER, F.** Carlsruhe, Inv. and Manu.—Pounce-paper, or transparent tracing, drawing, and modelling paper, made by a peculiar and patent process.

392 **HOECH & SON,** Düren, Manu.—Tissue paper in

different colours. Coloured and white post, and other writing paper.

393 SCHULL, L. Duren, Manu.—Thick and extra thick post-paper (glazed) in folio, &c.; large blue post; ribbed medium, &c.

394 PIETZ, L. Dillengen, Manu.—Post and other writing paper.

395 FLAMMERSHEIM, W. Cologne, Manu.—Rolls of tapestry, copied from original paintings.

396 MEIXEL, A. Baden, Manu.—Knitted linen shawls, made with two needles, and of one thread.

Cologne Division.

397 ROSSELER, C. H. Hesse, Manu.—Felt and silk hats, particularly adapted for exportation.

398 LEMMUELES, Aix-la-Chapelle, Manu.—Black felt hat; black soft short-haired hat; gray hat, double rings; black silk.

399 SHUTZENDORFF, H. F. Cologne, Manu.—Gentlemen's ball-room boots, with silken upper stuff; boots in buckskin stuff without seam; and boots for children.

400 KOHLSTADT, L. Cologne, Manu.—Braces and garters, of silk and caoutchouc.

401 WAHLEN & SCHMIDZ, Cologne, Manu.—Kid gloves, and card of patterns.

402 SOBIS, P. St. Goar, Manu.—Saws for goldsmiths, silversmiths, carpenters, and comb-makers; made of steel procured from watch-spring factories in Switzerland and France. The teeth of the compass-saws filed with English files, which only can be used for that purpose.

403 ULLRICH, J. St. Goar, Manu.—Saws for the use of goldsmiths, silversmiths, girdlers, comb-makers, turners in ivory, and joiners. Those for sawing wood and horn are made of broad white spring-steel; and those for sawing metals of old watch-springs.

404 REINCKER & Co. Cologne, Manu.—Samples of pins, hooks and eyes, and elastic wires, representing Gothic arches, bearing the arms of the city of Cologne.

405 SCHLESCHER, C. Bellevallée, near Aix-la-Chapelle, Manu.—Galvanized cast-steel wire. Various wire rings, and samples of unfinished and finished needles. The raw material is of English origin.

406 ASSMANN, J. Neuwied-on-the-Rhine, Manu.—Articles made of rolled sheet iron, and tinned with Banca tin.

407 BEISEL (Widow) & Son, Aix-la-Chapelle, Manu.—Samples of needles, manufactured of cast-steel, from the works of Sanderson Brothers and Co. Sheffield, and rolled and drawn into wire in Germany. Fancy bodkins, knitting pins, &c.

408 KAESER, J. Cologne, Manu.—Iron decorated mantle ovens.

409 ZUEGLER, JACOB'S WIDOW, HANAU, Manu.—An assortment of samples of enamel, in a great variety of colours.

410 STEINHAEUSER & BIER, HANAU, Hesse, Inv. and Manu.—Jewellery, consisting of brooches, bracelets, and rings.

411 BACKER, J. F. & Co. HANAU, Hesse, Inv. and Manu. (London Agent, T. Sachs, St. George's Ter. Hyde Park.)—A large assortment of Jewellery.

412 WEISHAUFF, C. M. & Sons, HANAU (Agent, R. Phillips, Messrs. Phillips & Son, 31 Cockspur St. London.)—Set of chess-men and board, in silver and gold in renaissance style, ornamented with enamel, precious stones, and pearls. The chief figures are portraits of the Emperor Charles V. and his daughter Margaretha of Parma, a stadholder of the Netherlands, King Francis I. of France, and his sister Margaretha of Valois: the chess-board mother-of-pearl and tortoiseshell. Casket in silver, with a coral tree, various precious stones, and four malachite slabs.

413 HANLICK, F. Hanau, Manu.—Flower, in brilliants and rubies, with leaves of emerald and enamel, in a vase of gold and enamel. The flower can be detached, and used as a brooch or hair-pin.

414 WAGNER, A. Sulzbach, near Searbrück, Prod.—Bottles, manufactured for Rhenish sparkling wine; for hock, with flat bottom and ribbed neck; and with concave bottom and smooth neck, &c.

415 WIEGANDT, J. Cologne, Manu.—Circular tablet, of mosaic-work, composed of 24,700 pieces. Specimens of inlaid work for floors.

416 KRAMER, C. A. Cologne, Inv.—Cornices, and ornaments in stucco.

417 ENGELHARD & KARTH, Mannheim, Manu.—Several specimens of stained paper.

418 NOR, O. Hanau, Hesse, Manu.—A model of a chandelier, in gypsum.

419 FALLER, TRITSCHELLEN, & Co. Lenzkirch in the Black Forest, Manu.—A variety of straw hats for gentlemen, youths, and children, of different styles. Round, flat, and square cigar-cases.

420 NEES, A. F. Cologne, Manu.—Samples of patent flat or curved wood mouldings, chiefly employed for making frames, and by upholsterers, decorators, &c.

421 PALKENBERG, H. Cologne, Manu.—Lady's escritoire of rosewood, [with carvings, containing secret drawers curiously arranged.

422 KENDALL, H. Cologne, and Aix-la-Chapelle (Agent, P. Kendall, 8 Harp Lane, London).—Cologne water, pomatum, sachets, and perfumed soap.

423 LEVEN, F. Heidelberg, Inv. and Manu.—A large collection of heads, &c. of animals.

424 SPENDECK, P. & Co. 18 Grosse Neugasse, Cologne.—Samples of Eau de Cologne.

425 MARTIN, M. C. Cologne. Eau de Cologne. Carmelite spirit of melissa.

426 FARINA, J. M. 4 Julich Pl. Cologne.—Various specimens of Eau de Cologne.

427 HERTZALL & Co. Cologne.—Cologne water of different qualities.

428 MOOSBRUGGER & KORBZ, Coblenz, Manu.—Table slabs of artificial marble (mosaic). Cash-box of the same.

429 WETZOLD, A. Eckelong, Inv.—Tapestry: Ruth and Boaz.

430 HECKEL, C. F. Mannheim, Collector and Preserver of Plants.—Picturesque group of dried Alpine plants. A volume containing a collection of 25 specimens of Alpine plants. The pictures are formed solely of plants, as produced by nature, without colours or dyes.

431 CAETZ, C. Kreuznach, Inv.—Statue: Armining, prince of the Cheruskers, a hostage at Rome, full-length figure, a compound of plaster, copper deposited by galvanism, and Carrara marble. A faun, carrying a vine-branch, a compound of gypsum, copper, and Carrara marble.

432 DICKERS, T. Bonn, Manu.—Relief maps of the Siebengebirge, on the Rhine, and of Mount Vesuvius. Intended to illustrate the geological and orographical relations of the respective regions.

e. DANTZIC.

433 SAUKUR, A. von, Jullienfelde, Prod.—Two wool fleeces.

434 WAECHTER, J. Tilsit, Prod. and Manu. Agent in London, A. Gubba.—Linseed and rape-seed cake. Grained and powdered animal charcoal. Soum of sugar for manure.

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435 HERRMANN, C. Dantzic, Mann.—A pair of bronze chandeliers.

436 LEBCK, A. Marienwerder, Mann.—Coffee machine and tapers, particularly fitted for travelling, being of small size and easily heated. A machine for mashing almonds for marzipans.

437 LEWIKSON, M. Tilsit, Mann.—A tower in flagstone work set with garnets, similar to those used by the Russian Jews at the celebration of the Sabbath.

438 MANNHEIMER, W. Königsberg, Prop. Agent in London —Two pieces of amber, exhibited on account of their size and beauty.

439 HEFFMANN, C. W. Dantzic, Mann.—Sundry articles manufactured from amber; beads of the same, exhibited on account of their beauty and workmanship, and to show the difficulty of joining small pieces; the uniformity of colour is very difficult to obtain. The beads are sent to show the way in which they are prepared and packed for the trade.

440 HEFFMANN, G. F. Dantzic, Mann.—Assortment of amber beads and sundry articles manufactured from amber.

441 REV. W. von, Dantzic, Mann. and Collector.—A cabinet containing amber (raw) arranged according to natural history, which it has taken 25 years to collect. A tea-tray ornamented with the arms of Great Britain. Snuff-boxes. A hilt of a dagger. Brooches. Bracelets and seals. All manufactured from amber, and ornamented with silver.

442 REICHEL BROTHERS, Tilsit, Mann.—Various strings of musical instruments.

443 HEYDENRICH, Teacher at Tilsit, Prop.—A scene from sacred history carved in wood.

444 GREYDOWSKI, Rev. Berent, Prop.—A carving of wood in a frame, representing a vase containing flowers, birds, &c.

d. DUSSELDORF.

445 ROYAL PRUSSIAN SALT WORKS, Duisberg.—Samples of salt, fine and middle grains, obtained from the soles (brine), gradually purified.

446 MEESTER, C. D. Kiepel, near Hagen, Prod.—Samples of rough or cast-iron, made malleable and decarburised by a new process; stated to be rendered equal to steel. Adapted for cutlery.

447 LEMKIND, FALKENBOTH, & Co. Haspe, near Hagen, Mann. Agent for London, E. Riepe, 38 Finsbury Sq.—Rolled coils of steel, produced from German steel; bars of puddling and refined steel; patent waggon axle of refined steel.

448 SCHNIES, H. A. S. M. Mulheim on Ruhr, Prod.—Samples of coke, free from heterogeneous substances, manufactured from pit-coal of the Victoria Mathias Mine.

449 DRESLER, J. H. sen. Siegen, Mann. and Prod.—Samples of iron ore from Hohengröhe, Peterbach, St. Andreas, and Huth; all near Hamm. Laminated white cast-iron and mottled pig bar-iron.

450 THE UNITED COAL MINES (SANKER and NEU-ACK), Essen, Prod.—Specimen of coal, considered to be more bituminous and to contain less sulphur than others of the district.

451 LAMBSON, ULRICH, & Co. Brilon, near Arnberg.—Lead and silver ore; sulphuret of lead and zinc.

452 BOCHAL, C. Mulheim on Ruhr, Mann. Agent in London, Rothschild.—White zinc, intended as a substitute for white lead. Samples of roasted zinc ore and spelter; of zinc ores and rolled zinc. The raw materials from native mines.

453 BERING, ROHR, & SEISKY, Samsberg, Prod.—Rolled

and hammered pieces of puddling steel; round rolled and hammered samples of steel; made of German pig-iron, worked in puddling furnaces with pit-coal, and rolled or hammered as it comes out of the furnaces. Exhibited in consequence of the assumed importance of the process.

454 HANBLOCH, J. Crombach, near Siegen, Prop.—Iron ore, from the Müsen mines, with specimens of refined Müsen steel.

455 HANDEL, F. Ruhrort on the Ruhr.—Specimens of coal from Heinrich, Steingatt, Hagenbeck, Sälzer and Neusack, and Zollverein mines. Coke from Schölerpud, Sälzer, and Neusack.

456 HARKERT & SON, Wetter on the Ruhr, Mann.—Samples of German crude steel; best steel for knives; blister steel; common steel, for files; spring steel, and steel for hatchets.

457 KRUMHOLTZ & BREDT, Barmen.—Samples of red prussiate of potash; cyanide powder; extract of archill; safflower carmine; indigo; catechu; stannate of soda; tin powder, &c.

458 CURTIDA, J. Duisburg on Rhine.—Blue and green ultramarine, used by printers, painters, varnishers, and for tapestry; they resist alum, and improve by exposure to the air.

459 GUTHRIE & Co. Dusseldorf, Prod.—Specimen of prussiate of potash (ferrocyanide of potassium).

460 STORHMANN & WURTSFELD, Neualswerk, near Minden, Mann.—Chemical products from the mother ley of the salt-works near Minden, chiefly combinations of bromine.

461 WESSEFELD & Co. Barmen.—Samples of soda-ash, for glass manufacturers; caustic soda, from the red mother liquor of soda-ash, for soap-boilers; chloride of lime; antichlor, a preparation for neutralising chloride of lime after bleaching, for paper-makers.

462 HORSTMANN & Co. Horst, near Heele, Mann.—Samples of azure-blue smalt. Samples of saffre.

463 THE ROYAL ALUM WORKS, Schwesmal, near Düben.—Refined and common potash-alum crystallized; containing only a small proportion of iron, and manufactured from native ores. Sulphuric acid clay, known in trade under the denomination of aluminas, which contains but little iron; manufactured from native ores by exposure to the frost during the winter. Specimens of the alum schist, containing but little pyrites. Alum manufactured from alum schists, by simple exposure.

464 MATTHES & WEBER, Duisburg on Rhine, Mann.—Muriatic acid, exempt from iron and sulphurous acid. Bleaching powder. Sulphate of soda. Soda crystals, soda ash, carbonate of soda, caustic, soda, &c.

465 ELECTORAL MANUFACTORY, Schwarzenfels, Mann.—Blue colour, smalt; strewing blue; schwarz and washing blue. Violet smalts; saffres; nickel with ultramarine, &c.

466 SCHRAM BROTHERS, Neuss on Rhine, Mann.—Dressing-starch, for fine linen, cotton, and silk wares.

467 ROCHOLL, T. Minden, Imp. and Mann.—Various samples of cigars.

468 CARSTENJEN, A. F. jun. Duisburg, near Dusseldorf, Mann.—Samples of tobacco, snuff, and cigars. Raw materials from the East and West Indies and Wurtemberg. Agent for London, Mess & Co.

469 JAGER, C. Barmen, Mann.—Extract of safflower, drawn from the pigment of safflower, and used to give silk, cotton, linen, paper, and artificial flowers a fine rose colour.

470 ELMENDORF, E. F. Iselhurst, near Bielefeld.—Samples of flax yarn and raw flax.

471 BECKER, SAFF, & Co. Fredeburg, Mann.—Pieces of extraordinary-sized amadou; yellow and black amadou. Caps, with and without peak, the raw materials brought from Illyria.

- 472 DIEPERS, T. H. Crefeld.—A machine for spooling silk. Model machine, with 40 reels, for twisting silk.
- 473 FRIESENBUCK & Co. Hoerde, near Dortmund, Inv. and Mann.—A tubular axle, with two disc wheels for railroad waggon.
- 474 EISENER, C. Elberfeld, Mann.—“Stays” for weavers; these stays are made of cast steel, and are preferable to reeds in their effect on the fabrics.
- 475 UHLHORN, C. G. Grevenbruch, near Dusseldorf, Mann.—Cards for combing silk, cotton, wool, and tow. Card sheets for main cylinder. The leather of these cards is obtained chiefly from Belgium and Germany, the iron wire almost exclusively from England, but a small part from France and Germany.
- 476 UHLHORN, H. Grevenbruch, near Dusseldorf, Mann.—Three engines, for coining, punching, and milling, the raw materials from England and Germany; from 45 to 50 coins may be struck in a minute with a moving power equal to that of one horse.
- 477 SPANGENBERG, SAUER, & STURK, Suhl.—Finished double gun, with bronze damask barrels and percussion locks, revolving safety stop, silver mountings, inlaid with hunting scenes on gold, &c. German silver ornaments and a powder-flask of stag-horn, in style of the middle age.
- 478 SCHALLER, C. Suhl, Mann.—Rifle, with cast-steel barrel, iron trimming. Gold hunting-piece, engraved, with iron spring lid; it is loaded at the stock, and has a contrivance for pointed bullets (*Spitz-Kugeln*).
- 479 SAUER & Sox, Suhl, Mann.—A double gun and single rifle. A single rifle ornamented with silver, with all appurtenances, in case.
- 480 SCHWITZER & KIRSCHBAUM, Solingen, Mann.—Infantry and cavalry swords, cutlasses, and sabres; officers' highly-finished swords, with German silver and gilt mountings.
- 481 PISTOR, G. & W. Kurbessen, Mann.—Rifle-gun, with barrel of German cast-steel, complete.
- 482 SOSE, W. Marburg, Electorate of Hesse, Mann.—A very large thermo-electric battery, with an electro-magnet, a heating apparatus, and an apparatus for producing a chemical reaction.
- 483 SEKI, H. jun. Elberfeld, Mann.—Pharmaceutical apparatus, and chemical utensils, including measures, &c., of various sizes.
- 484 SCHÖDTER, E. Dusseldorf, Mann.—A silk-drying and weighing machine, and a machine for accurately ascertaining the weight of silk in bales, &c., by small samples, upon the Talabot system. This machine has a balance of extreme delicacy of adjustment. A 6-inch theodolite, with telescope magnifying 30 diameters, &c.
- 485 LAMPERTHOFF, F. & A. Essen.—Newly constructed solo clarinet. Solo flute. Military band clarinet.
- 486 HERTHENYER, T. Munster, Mann. and Inv.—A patent table pianoforte.
- 487 GERHARD, A. Wesel-on-Rhine, Mann. (Agents in London, Mess & Co.)—Grand pianoforte; oblique pianoforte.
- 488 WIEDENMANN, PFERDMENGER, & SCHMÖLDER, Mann.—Various samples of cotton twist.
- 489 KILBERR, H. Wellentrupp, near Oerlinghausen, Mann.—Pieces of linen, made of hand-spun yarn, exhibited for durability, &c.
- 490 BOLTZ, WYHELM, & SOX.—Samples of woollen cloths: Black doeskin, and drab doeskin, mixed grey, crossed-bar buckskin, doeskin, and black and white summer buckskin.
- 491 BRAUN BROTHERS, Hersfeld, Hesse.—Woollen cloths: Light blue; dark green; dark blue; bronze cloth; and black cloth, satin de laine.
- 492 TRECHENMÄCHER & KATTENBUCH, F. E. Werden-on-Ruhr, Mann.—Woollen cloth, w: and without gloss; the raw materials from Silesia.
- 493 JOHANNT, A. W. A. Hüokes wagen, Mann.—Woollen cloth of various colours.
- 494 BEECK (VAN DER), J. C. Dusseldorf, Mann.—Square shawls, all woollen; long shawls. Comforters. Woollen goods for ladies' dresses and cloakings; exhibited for quality and novelty.
- 495 WIESE BROTHERS, Werden-on-Ruhr, Mann.—Woollen cloth, manufactured from Silesian wool.
- 496 SCHURMANN & SCHÖDTER, Lennep, Mann.—Samples of black cloth; the same twilled; mulberry and blue cloth, dyed in the wool.
- 497 OELSHERRMANN, D. SOSE, & Co. Lennep, Mann.—Specimens of black and invisible green woollen cloths.
- 498 HILGER BROTHERS, Lennep, near Dusseldorf, Mann.—Samples of twilled fine cloths, dyed in the wool, &c.
- 499 HUECK, D. & A. Herdecke-upon-Ruhr.—Various specimens of woollen cloth: Dahlia, blue, and black.
- 500 HUFFMANN BROTHERS, Werden-on-Ruhr.—Pieces of woollen cloth, made of Silesian wool.
- 501 MOLL, C. Hagen (Agent in London, J. H. Cohn, 3 Fenchurch Buildings).—Samples of woollen cloth, black, indigo wool-dyed, marine blue, and mulberry. Raw materials from Saxony and Silesia.
- 502 MERTZ, J. F. Urdenbach, near Dusseldorf, Mann.—Striped flannels, and striped moltongs; made from German wools and English cotton yarn.
- 503 SCHENCKEL BROTHERS, Huckeswagen, Mann.—Various specimens of blue and black woollen cloths.
- 504 SCHEIDT, GRASDORF, & Co. Kettwig-on-Ruhr, Mann.—Samples of black grey marengo, and striped woollen cloth.
- 505 SCHEIDT, J. W. Kettwig-on-Ruhr.—Specimens of black satin de laine; black doeskin de laine; grey satin and blue doeskin de laine; all woollen.
- 506 CLARENBACH & SOX, Huckeswagen.—Samples of carded woollen yarn. Patterns of iron screws. The screws exhibited for the clearness and sharpness of the worm, or thread.
- 507 FEULGEN BROTHERS, Werden-on-Ruhr, Mann.—Woollen cloth: Indigo blue cloth dyed in the wool; marine cloth; and black cloth; for the North German markets.
- 508 FORSTMANN & HUFFMANN, Werden-on-Ruhr, Mann.—Woollen cloths; black and green cloths.
- 509 DIEBGARDT, F. Vierten, near Crefeld, Mann.—Specimens of black and coloured velvet, silk, and silk and cotton; moleskin, plush, waistcoat velvets, figured velvet ribbons, printed velvet collars, velvet scarfs, black satin stuff, &c.
- 510 DUYN, HIPP, & Co. Crefeld, Mann.—Silk for dresses and parasols. Patterns of silk parasol and dress stuffs.
- 511 STORR, P. Crefeld, Mann.—Silk wares: Coloured and black silk. Superior satin. Silk and satin cravats. Shawls and waistcoats.
- 512 KREKHOFF (VAN DER) & KRETT, Crefeld, Mann.—Various silk stuffs for parasols.
- 513 SESEL, C. W. & BRINCK, Elberfeld, Mann.—Patterns of ribbons and trimming.
- 514 SIMONS, E. J. Eberfeld, Mann.—Silk shawls and scarfs. Ladies' neckerchiefs. Black sarcenet kerchiefs. Silk cravats. Waistcoats. Silk handkerchiefs (German web), (Indian web), and (imitation web). Silk velvet, and silk and half silk stuffs.
- 515 SCHROCK, G. & H. Crefeld, Mann.—Fancy silk, fancy velvet, and plain velvet waistcoating; exhibited for design and quality.
- 516 RAFFARD & Co., Crefeld, Mann.—Assortment of silk cravats.

517 RAFFARD & GORHMANN, Crefeld, Mann.—Velvet and silk goods: Jacquard velvet; levant; carré. Jacquard satin, &c.

518 FELTZER, W. Rheydt, near Crefeld, Mann.—Velvet, silk, and half-silk goods: Samples of velvet, satin waist-coating, and satin cravats.

519 HOENINGHAUS & SOHN, Crefeld, Mann.—An assortment of fancy silk velvet ribbons.

520 HERMES BROTHERS & WOLFFERS, Crefeld, Mann.—Silk wares: Silk for parasols; brocaded satin; figured satin; Jacquard figured satin; Jacquard satin, &c.

521 HEYDWEILER & SOHN, Crefeld, Mann.—Ribbons, silk, and silk and cotton; including black and coloured hat-bands, black and coloured edgings, and worsted braid.

522 NEUBAU, H. T. Crefeld, Mann.—An assortment of coloured and printed silks.

523 NEYLANDT & FLEISCHER, Mettmann, near Elberfeld, Mann.—Coloured silk aprons. Black and coloured silk fringed kerchiefs.

524 JACOBS & BERING, Crefeld, Mann.—Silk, satin, and damask umbrella stuffs. Silk parasol stuffs.

525 KÄRTEL, J. Crefeld, Mann.—Silk and satin wares. Striped and printed gros de Naples; printed poul de soie, and satin de chine, &c.

526 LINGENBERG & VONHARMANN, Viersen (Agents in London, Walter & De Vos), Mann.—Specimens of black and coloured velvet, and velvet ribbons.

527 KRABAU & KAUBERTZ, Crefeld on the Rhine, Mann.—Satin for dresses; fine black satin. Black plain and fine satin, all silk. The plain satins, formerly made of silk, have of late been made of silk mixed with cotton, for the cheap markets.

528 KUPFER & STEINHAUER (Agent in London, C. Holland, 41 Finsbury Circus), Mann.—Specimens of Thibet, French blue, satin d'Espagne, grey satin berber, and satin rayé vent.

529 MEER & Co. Crefeld, Mann.—Silks for dresses, parasols, and umbrellas, with patterns.

530 MICHENS BROTHERS, Viersen, near Crefeld, Mann.—Silk and terry velvet, of different colours, and moleskin and stamped velvet. Silk ribbons.

531 LÖHM & RUTTEN, J. W. Crefeld, Mann.—Silk goods, of various descriptions.

532 MORGENTHAU & KRUGMANN, Elberfeld, Mann.—Coloured velvets, including purple, royal blue, claret, green, crimson, embossed carise, and violet.

533 GREFF, F. W. Viersen, Mann.—Silk for umbrellas and parasols. Patterns of silk and silk velvet and satin, for dresses and waistcoats, and cravats.

534 SCHEIBLER & Co. Crefeld, Mann.—Velvet ribbons; fancy ribbons, fringed; stamped velvet scarfs. Silk velvet. Plush for hats and caps. Watered silk. Striped and glazed silk. Black silk serge and lustrings. Black silk for waistcoats.

535 BRUCK, H. VON, & SOHN, Crefeld.—Fine black and coloured ribbon velvets, all silk. A variety of fancy and figured silk ribbon velvets. Plain silk broad velvets. Fancy silk velvet vestings.

536 BOVENSCHEIN, H. & Co. Crefeld.—Silk fabrics used for ladies' dresses; exhibited for colour, design, and quality.

537 GERLICH & GREIFF, Elberfeld, Prod.—Spun silk buttons. Figured velvets. The stuff buttons woven of sewing silk and organzine. Tischeborn.

538 GROTT, H. G. Rosdorf, near Elberfeld, Mann.—Silk ribbons. Silk and cotton hat-bands. Coat and other bindings. Tapes, braids, and cords of silk, silk and cotton, mohair, and wool.

539 BROCKMANN, F. Wellentrop, near Oerlinghausen, Lippe Detmold, Mann.—Piece of linen, exhibited for durability. Made by hand weavers, and bought from them

at Oerlinghausen, and after being bleached is exported to almost all parts of the world.

540 VIELHAUSEN, W. E. Bielefeld.—Samples of bleached linen and handkerchiefs, made of hand-spun yarn.

541 WULLER, J. G. Marl, near Becklinghausen, Mann.—Woven linen damask napkins, with the Counts of Westerbald, Wolf Metternich, Homper, and Baron Besselager.

542 WIEDEL, F. W. Spaarg, near Bielefeld, Mann.—Specimens of raw and bleached linen and handkerchiefs, made of hand-spun Westphalian flax.

543 WESTERMANN, A. H. & Co. Bielefeld and Cologne, Mann. Agent in London, P. Amsel, 30 Providence Row, Finsbury Sq.—Various samples of white bleached linen, manufactured from flax, spun by hand, woven on hand-loom, and bleached on grass.

544 WESTERMANN & SOHN, Bielefeld, Mann.—Samples of bleached and raw linen. Bleached cambric handkerchiefs. Damask table cloths with napkins; drilling and bleached table-cloths. Damask and drilling towels.

545 SCHWEMMEL & SOHN, Lippstadt, Mann.—Various samples of twine, hand-spun. Exhibited for cheapness and quality.

546 THE SPINNING SCHOOL, Heepen, Bielefeld.—Samples of flax yarn.

547 DOBERL, H. J. Mann.—Bell-ropes, and ladies' pockets, of New Zealand hemp. Pressing-cloth, without seam, used in sugar manufactories. The raw machine-yarn is from Leeds.

548 DELIUS & SOHN, E. A. Bielefeld, Mann.—An assortment of hand-spun linen and linen handkerchiefs: exhibited for the quality of the flax, the workmanship, and the bleaching.

549 EICKHOLT, A. Herms, Warendorf, Mann.—Brown and white linen table-cloths and napkins, with wreaths of flowers and vases, viz.: Stolensfels, Walter Scott's monument, the dome of Cologne, &c.

550 LANDWIRTSCHAFTS BRÜDER, Tollenbeck, near Bielefeld, Mann.—Specimens of bleached and raw linen, made of hand-spun Westphalian flax: exhibited for durability and quality.

551 OLLERDINKEN, P. Urentrop, near Bielefeld, Prod.—Samples of flax.

552 KONTOS & BUCKLESS, Dulken, near Dusseldorf, Mann.—Flax, thread, cord, staves for weavers. Samples of German flax. Patterns for paper, and imitation of oil-cloth, &c.

553 KIRKER, W. Halle, near Bielefeld, Mann.—Samples of sail-cloth. Raw materials, both warp and web, of Westphalia. Spun hemp.

554 HORNBERG, H. I. Lubbecke, near Minden.—Samples of twine and cord for packing.

555 HEIDRICH, L. A. Bielefeld, Mann.—Specimens of bleached linen, and handkerchiefs, made of hand-spun yarn, and exhibited for fabric and durability.

556 KNOWI, FRIED. WILHELM, & SOHN, Bielefeld, Mann.—Samples of raw linen, of best hand-spun flax yarn.

557 MEYER, G. Dülken, near Dusseldorf, Mann.—Thread and raw flax. White embroidering yarn. Crochet thread, &c. The threads of German and English machine-spun and German hand-spun yarns. The flax from the Rhine Province, county of Dusseldorf, and Aix-la-Chapelle.

558 SCHWELL & SOHN, Bielefeld, Mann.—Specimens of fine white linen, made of the best German flax, spun by hand; exhibited for strength and durability. Samples of threads of warp.

559 BRUNGER, A. Tollenbeck, near Bielefeld, Mann.—Samples of bleached linen. Raw materials, hand-spun Westphalian flax. Linen, exhibited for fineness, fabric, and durability.

560 DELIUS, J. D. Bielefeld, Mann.—Samples of bleached linen and linen kerchiefs.

- 561 **BLANKENBURG, F.** Lippstadt, Mann.—Samples of twine and cord of various threads of hemp from the neighbourhood of Lippstadt and Italy. Hemp imported from Italy is softer and of a lighter colour, but not stronger than the German.
- 562 **BOLENIUS & NOLTE,** Bielefeld.—Samples of linen yarn, bleached linen, and bleached linen drill; linen pocket handkerchiefs.
- 563 **GANTE & SOW,** Bielefeld, Mann.—Specimens of bleached linen, all home-woven, and made of hand-spun flax.
- 564 **TRAPPMANN & SPITZ,** Barmen, Mann.—Gimped buttons manufactured partly of twisted silk and trams from Italy and the East Indies, and partly of a mixture of silk, wool, and cotton.
- 565 **WULFING & WINDRATH,** Elberfeld, Mann.—Various sorts of cotton tapes, and cotton and worsted laces.
- 566 **ZOLLMANN & STROBENTHAL,** Leichlingen bei Opladen, Mann.—Cotton and half-cotton and woollen goods, composed of wool and English twist. Jacquard dresses, of wool and English twist; and Jacquard Berlin dresses are entirely of cotton.
- 567 **HAARHAUS, SÖHNK, T. C.** Elberfeld, Mann.—Samples of shawls and ladies' dresses.
- 568 **FLOCKER, M. M.** Gladbach, Mann.—Shawls of wool and silk; and of wool and cotton.
- 569 **WERKE & MITZIGS,** Gladbach, Mann.—Specimens of pique waistcoating and waistcoating in wool and cotton. Raw materials for pique, from England; the other stuffs consist of fine wool and silk.
- 570 **WETTERBUSCH, C.** Elberfeld, Mann.—Patterns of silk and woollen stuffs buttons.
- 571 **ENGELMANN & SON,** Crefeld, Mann.—Shawls and black silk.
- 572 **BODENDIENHAUS & Co.** Elberfeld, Mann.—Silk and half-silk goods. Greek slips. Summer and other cravats. Atlas Jacquards. Tafetas. Arabic aprons. Shawls. Corahs. Fancy waistcoatings, &c.
- 573 **FREDEHKE & KLEINJUNG,** Viersen, Mann.—Stuffs for trousers and waistcoats; fancy cashmeres; satin checks; buckskin, wool and cotton. Stuff for trousers, linen and wool, and wool and cotton.
- 574 **FREDEHKE BROTHERS, M.** Gladbach, Mann.—Silk and half-silk and cotton goods. Cassinets, elastiques, satin turk, and figure, Madras uni. Lutestring, watered and striped, and gros de Berlin.
- 575 **HEYMANN, C.** Crefeld, Mann.—An assortment of fancy waistcoatings and cravats.
- 576 **LANGENBECK & MARTIN,** Elberfeld.—Specimens of buttons and braces of silk and lasting.
- 577 **NEUBAU, L.** Betherath, near Gladbach, Mann.—Cotton, and silk and cotton goods. Samples of cotton waistcoatings; dimity; silk; and cotton and silk.
- 578 **KLEIN, S. C. F.** Barmen, Mann. Agents in London, F. Huth & Co.—Cotton, and cotton and wool shawls.
- 579 **LAMBERT & MAY, M.** Gladbach, Mann.—Specimens of cotton beaver and drill; cotton and wool cassinet; adapted for the working classes.
- 580 **ROMMANN & MECKEL,** Elberfeld, Mann.—Shawls, waistcoatings, and ladies' dresses, of cotton, cotton and worsted, silk, worsted, &c.
- 581 **MESGER, C.** Viersen, Mann.—Velvets and half-woollen stripes. Canvas for embroidery, silk and woollen. Furniture and carriage covering; horse-hair stuffs for the same, and for petticoats.
- 582 **METZ & ENGELMANN,** Crefeld, Mann.—Silk scarfs and aprons, including satin checked, watered checked, and tafetas, of various qualities, from Italian silk.
- 583 **NETTZER & BRABANT,** Viersen, near Crefeld, Mann. Agent in London, G. Ems, 28 Swan Chambers, Gresham St.—Stuffs made from silk, cotton, and linen, including union poplins, Turkish poplins, Persian handkerchiefs, plain and fringed, &c.
- 584 **LURDORFF, J. & Co.** Elberfeld, Mann.—Llama-wool shawls. Unions, with silk and barege; half-woollen cloaking; waistcoat stuffs. Turkey-red and rose-coloured twist; red water twist. Yarns, spun in England, and dyed by the exhibitors.
- 585 **SCHMITS & HOLZHAUS,** Elberfeld, Mann.—Agent, Gebhardt, Rottmann, & Co. 85 Hatton Garden, London.—Stuff, in divers colours, for coverings of tables, coaches, furniture, &c.
- 586 **BOCKMUEHL, P. E.,** Elberfeld, Mann.—Various specimens of silk and cotton neckcloths, ladies' shawls, and waistcoating.
- 587 **FURKE, R. M.** Gladbach, Mann.—Samples of Victorias, China crape, and toile du nord; pocket handkerchiefs; diamond cotton; demilin; Germania and sole, cotton and silk; gloria, silk and wool, &c.
- 588 **LORENZ, F.** Gladbach, Mann.—Half wool and cotton wares. The half-cottons exhibited for cheapness and design; the waistcoats for cheapness and durability.
- 589 **SCHMIDT & Co.** Barmen, Mann. (Agents in London, Graetzer & Hamann, 9 Huggen Lane).—Silk bands, and silk and wool laces and cords.
- 590 **GRIEFT, BRIDT, & Co.** Barmen, Mann.—Silk, mohair, and gambroon buttons and button-stuff; plain and fancy silk buttons, and stuffs for covering buttons.
- 591 **GRAF & NEYLANDT,** Elberfeld, Mann.—Various specimens of waistcoating.
- 592 **GRAFF, P.** Siegen, Prod.—Samples of cobalt ore and cobalt blue, from Philipp Hoffnung, near Siegen. Bright white cobalt, crystallized in microscopical forms, and diffused in slate, greywacke, quartz.
- 593 **SCHULZ, C.** Essen, Inv. and Mann. (Agents in London, S. Cahn & Co. 3 Copthall Chambers).—Varnished leather for caps, shoes, and hats. Walking-sticks and sword-canes of whalebone. Dragon and Malacca canes, &c.
- 594 **REINCKER, C.** Horn, Lippe, Inv. and Mann.—Side-saddle, with arms, and two elastic stirrups, to allow the rider to move and turn about with ease.
- 595 **KLEIN, J. B.** Dusseldorf, Mann. (Agent in London, F. Klein, 38 Finsbury Sq.).—A grand pianoforte, after Erard's model: an additional iron spreading bar being placed above the strings in the lower bass, to give a greater counter-pressure.
- 596 **FURICKAR, H.** Elberfeld, Mann.—Horse-hair, with silk and cotton for upholstery. Coverings of horse-hair. Chair-cover, white horse-hair with red silk. Velours de Utrecht.
- 597 **RUHL & SON,** Hesse-Cassel, Mann.—An assortment of pasteboard boxes. A series of embossed and printed envelopes. Patterns of coloured paper.
- 598 **HODDICK, W.** Langenberg.—Specimens of dyed jet-black silk, exhibited for brightness, purity, and colour.
- 599 **WESTHOFF BROTHERS,** Dusseldorf, Mann.—Specimens of printed calicoes: the raw materials are from England, and the madders from Holland. Exhibited for cheapness and durability.
- 600 **WOLFF, J. F.** Elberfeld, Mann.—Samples of Turkey-red yarn.
- 601 **TROOST, C. & F.** Luisenthal, Mülheim-on-the-Ruhr, Mann.—Specimens of prints: made from English yarn, on hand-looms in Westphalia, but printed and finished in Luisenthal. Exhibited for durability and colour.
- 602 **TURKEY-RED DYING Co.** Hagen, near Elberfeld, Imp. and Mann. (Agent in London, J. H. Cohn, 3 Fenchurch Buildings).—Turkey-red yarns. Printed calicoes. Raw materials, as warps and cops for cottons chiefly from England.

608 **NIEHOFF**, J. H. Elberfeld, Dyer.—Turkey-red yarns. Good water and male middle pink: spun partly in England and partly in Germany.

604 **LAMBERT & SOH**, M. Gladbach, Mann.—Specimens of brown cotton Kalmuck; black, green, buckskin, and mixture, Kalmuck. Brown, black, and variegated beaver.

606 **LUFF & SOH**, Dusseldorf, Imp. and Mann.—Printed calico and coloured woven calico goods. Neapolitains, furniture, kerchiefs, plaids, &c. The raw materials from England and Germany, the cottons printed by machinery, the other articles woven and worked by hand.

608 **BOCKMÜHL**, SCHIEFFER & HACKER, Elberfeld, Mann.—Patterns of printed calicoes, various colours, including rose, lilac, green, blue, orange, garamine, &c.

607 **BRUNCK**, T. W. Gladbach, Mann.—Coloured cotton yarns. Turkey-red, of various shades. The raw material for spinning from England.

608 **SCHOLLER**, A. & F. Elberfeld, Mann.—Various samples of Turkey-red yarn. Specimen to show the process of dyeing in its various stages.

609 **KRUHN BROTHERS**, Gladbach, Mann.—Specimens of cotton bibers. Specimens of printed Kalmuck, beaver-teen, cassinet, cotton and wool, and buckskin.

610 **KRAMER**, L. & G. Dusseldorf, Mann.—Printed cottons and stuffs. Gingham and twilled union. Twilled nankeen. Furniture, &c.

611 **SARTORIUS**, A. & Co. Dusseldorf, Mann.—Samples of Turkey-red yarn, for the Indian market.

612 **DRECKMANN**, W. C. Elberfeld, Mann.—Woven goods: portraits of the King and Queen of Prussia, woven in silk. Embroidered waistcoats. Cashmere and Valencia waistcoats.

613 **RUPF**, L. Crefeld.—Silk hats, with felt shape and form.

614 **ERBSCHLOH & SOHN**, Lettringhausen, near Elberfeld, Mann.—Steel tools: Cards, with fifteen samples of refined German steel; files and rasps; and planes and chisels.

615 **POHR**, J. D. Wehringhaus, Mann.—Cutlass and sword blades; sabres. Table-knives and forks. Scythes. Hatchets and axes. Saws and other tools. Door and cupboard locks. Coffee-mills. Bolts. Sheep-shears, &c.

616 **POHR & SOHN**, Elpe, near Hagen, Mann.—Specimens of cast scissors.

617 **MANNEBMANN**, A. Remscheid, Mann.—Agent in London, Heilmann, 8 Colebrook Row, Islington.—Files, screws, and steel: Prime Siegen rough steel, manufactured in Remscheid.

618 **FLUMACHER**, W. Solingen, Mann.—Seirans, in great variety.

619 **PICKHARDT**, G. Remscheid, Mann.—A variety of files and rasps, manufactured of cast, refined, and double-refined steel.

620 **BRAND**, W. Remscheid, Mann.—Specimens of saws, mill, crane, pit, cross-cut, "dwarf," and "pausch" circular, tenon, and American blue-polished quillon, trunk, butcher, &c.

621 **BRAUNSCHWEIG**, T. Remscheid, Mann.—Various sorts of carpenters' tools, planes, chisels, &c.

622 **REINSHAGEN**, G. Remscheid, Mann.—Specimens of files of German steel.

623 **BLECKMANN**, J. E. Ronsdorf, Mann.—Specimens of scissors, shears, files, vices, hammers, brace-bits, compasses, gimblets, chisels, saws, locks, tools, skates, &c.

624 **CHERTLAN**, T. Remscheid.—Angers and hardwares. Square rule. Various sorts of angers and saddlers' knives.

625 **FELDE**, R. Feld by Remscheid, Mann.—Specimens of polished steel saws: of unhardened sheet cast; best tempered, and of double sheet; and unhardened, of double refined, &c.

626 **ARNS**, A. Remscheid, Mann.—Various carpenters' tools, including planes, chisels, &c.

627 **APPE**, A. Zueschen, near Brilon, Mann.—Various axes and hatchets. Chaff-outter. Raw materials: Syria steel, and cut steel, raised in the county of Siegen, Rhine-Prussia.

628 **CÖPPEL**, A. Solingen, Mann.—Various samples of cutlery, including pen, pocket, spring, clasp, and hunting knives.

629 **LINDER**, B. Solingen.—Assortment of pen and pocket knives.

630 **LOHMANN**, F. Witten on Ruhr, Mann.—Files and cast steel; pig-iron, employed in producing steel, &c. The bars of iron are decarbonized whole, without altering the shape; the invention is founded upon the experiments of Bessemer, and called by the inventor "steel adoué."

631 **HILGERS & SOHN**, LUCKENAS & GUNTHER, LUCKENAS & Co. and HASENCKLEVER & SOHN, Remscheid, Mann.—Hardwares, tools, and cutlery.

632 **HUTZ**, FRIED, & Co. Hagen, Mann.—Samples of steel, ore, and hard wares; including cast-steel files, carpenters' tools, various vices, and anvils.

633 **BOECKER**, R. & H. Remscheid, Mann.—Hardwares and cutlery: Files, locks, scale-beams, skates, shears, saws, &c. Patterns of drawing, chopping, and cooper's knives, cleavers, saws, scythes, &c.

634 **WEBER & STRASMANN BROTHERS**, Baymen, Mann.—Specimens of horn buttons; sporting and dress buttons, made from the hoofs of oxen.

635 **NOTTEBOHM & Co.** Ludenscheid.—Samples of cast brass, and German silver articles.

636 **TURK**, (Widow), F. C. Ludenscheid.—Specimens of metal buttons, buckles, and nails, for upholstery.

637 **HOLLER**, A. & E. Solingen.—Sword of honour, and court-sword. Foils and rapiers. Damask blades in the oriental style, &c. Scissors. Pen and pocket knives. Table cutlery. Razors, shears, saws, &c. Jewellers' tools, &c.

638 **DREYER & COLLINGWUDB**, Sommerda, Mann.—Specimens of percussion-caps. Tin-plat, barrel, and copper rivets.

639 **RYTZEL** (Widow), L. Ludenscheid, Westphalia, Mann.—Various metallic buttons. Copper obtained from England, Sweden, and Germany. Zinc from Rhine provinces and Silesia.

640 **SCHWARTZ**, J. D. Solingen.—Razors, pen-knives, and swivels.

641 **DÜTZGEN**, G. Dillenthal, near Wald, Mann.—Umbrella and parasol frames. Cigar-boxes, porte-monnaie frames. Pad and portfolio locks, door-handles, &c.

642 **ALTENLOH**, BAINEK, & Co. Milspe, near Schwein, Mann. (Agent in London, A. Heintzmann, 16 Colebrook row, Islington).—Various specimens of screws, with round and flat heads.

643 **SCHLESKELMILCH**, C. Suhl, Mann.—Box made of rolled sheet-iron, to show its quality, toughness, and pliability. The lid opens by pressure.

644 **SCHMIDT**, C. Soest, Mann.—A middle-sized kitchen stove.

645 **ASERCK**, C. & Co. Hagen, Mann.—Locksmith's anvil, turning-lathe, and vices, exhibited for cheapness. Specimens of refined German steel, made of Siegen steel ore. Horse-shoes of half-hardened steel. Tools for shoeing horses. Padlocks and fodder knives.

646 **SCHMIDT**, P. L. Elberfeld, Mann.—Steel, iron, and brass wares, including screw-taps, files, gimblets, nippers, hammers, vices, shears, plane-irons, saws, locks, scales, hinges, taps, and skates, &c.

647 **KISSING & MÜLLMANN**, Iserlohn.—Brass and iron wares, including hand-bells, dial-plates, &c. Curtain cornices, ornaments, pins, and rings. Stamped brass candle-sticks. Steel umbrellas and parasol frames, &c. Iron, copper, and brass wire.

- 648 HOSIERY, G. Barmen, Mann.—Samples of buttons, plated with gold, silver, and platinum.
- 649 KRUPP, F. Essen, near Dusseldorf, Mann. and part Inv.—Rolling mill; the rollers exhibited for their equal hardness throughout. Forged cast-steel, exhibited for purity and toughness; used for axletrees, &c.
- 650 LUCAS, F. W. & Co. Elberfeld, Mann.—Hardwares, candlesticks, ink-stands, fire apparatus, paper-weights, lamp stands, and a statue of Guttenberg.
- 651 SCHEIDT, T. D. Sprockhövel, Mann.—Hardwares, including locks; window-bolts, with appurtenances; iron and brass hinges; carpenters' and turners' tools; sugar-tongs, curling-tongs, nut-crackers, &c. Fox-traps. Scales, steel yards, and skates.
- 652 FUNK & HUECK, Hagen, Mann.—Samples of hardwares, including screws, with points and with nuts. Patent and common vice; screw wrench.
- 653 GREIFF & SOU, J. P. Barmen, Mann.—Various metal buttons and boxes. Samples of snuff-boxes.
- 654 WOLFF, G. & Co. Solingen, Mann. (Agent in London, A. Heintzman, 16 Colebrook row, Islington).—Cards of cast scissors, plain and ornamented. Samples of shears.
- 655 CARON, A. H. Barmen, Mann.—An assortment of gilt buttons and jewellery. Raw materials, British, Russian, and Swedish copper, and Bohemian glass-stones. The soldering done by means of hydro-oxygen apparatus.
- 656 WOLFF & ERNST, Barmen, Mann. Agents in London, E. & H. Blank, 10 Trump St. King St.—Various plated articles: raw materials, gold, platinum, silver, and copper. The articles are principally manufactured by machinery.
- 657 SEEL, G. Elberfeld, Mann.—Ornamental articles in hair, for brooches, ear-rings, and rings. Album, with a landscape; album, with bouquet. Box, with braids of hair.
- 658 LIPP (von), FRIEDRICH, Dusseldorf, Mann.—Perfumery: Dusseldorf water, and Oriental pastil.
- 659 HILDEBRAND, C. Dusseldorf, Inv. and Mann.—Lady's writing and work table, in ebony, with four views of the Rhine.
- 660 EICHELBERG, H. D. & Co. Yserlohn, Mann.—Window-curtain, with a frame of brass fixed on wood.
- 661 BIEFANO, C. Dusseldorf, Mann.—Paste and paste-board articles. Various frames for daguerreotypes and pictures, in velvet, bronze, and marble: égris.
- 662 HOLTBERG & HOFFMAN, Barmen, Mann.—An assortment of India-rubber braces.
- 663 SCHELLER, WERKE, & WITFICH, Hesse-Cassel, Hesse.—Children's toys. Architectural apparatus. Garden and other tools; tools for emigrants; sold in Nuremberg and Sonnenberg, and exported to England, the East and West Indies, and America. Leather bags; railway and travelling bags, exhibited for appearance and cheapness; exported to Great Britain, America, and the Indies. Plate tools; a printing press; and pewter figures.
- 664 BASS & FISCHER, Ludencheid, Westphalia, Mann.—Snuff-boxes, match-boxes, buckles, and lids for tobacco-pipes. Match-boxes of brass and metal, made by machinery, from one piece, &c.
- 665 KILIAN, H. Siegen, Prod.—Woodcut: The Lord's Supper, after picture of Leonardo da Vinci.
- 666 SCHADE, E. Burtenbach, Mann.—Picture on porcelain, representing Jubal, the inventor of music. Painted porcelain plate, after Raphael. Lady's portrait, in a costume of the time of Louis XVI.

Dusseldorf Division.

- 667 FRIFTERS & AX, Elmydt, Mann.—Cotton and cotton and wool, mixed. Buckskins.

- 668 SCHUL, C. Hesse-Cassel, Mann.—A pianoforte.
- 669 GLADBACH, T. W. Mann.—Damask table-cloth, napkins, and towels.
- 670 ARNOB, J. H. Hückerwagen, Mann.—Woolen cloth.
- 671 THOMAS, C. Remscheid, Mann.—Sundry cutlery.
- 672 MECKLINGHAUS & WIX, Barmen, Mann.—Dressed hides.
- 673 SCHEWOLLE, Wm. & Co. Solingen and Berlin, Mann.—Swords and cutlery.
- 674 TAGE, Wm. & PELLIACCI, Crefelt, Mann.—Silk and silk and cotton mixed stuffs for waistcoats.
- 675 SCHULTZ, J. W. Barmen, Mann.—Silk and silk and cotton mixed stuffs for waistcoats.
- 676 REIFERMANU & MOHLAU, Derndorf, Dusseldorf, Mann.—Printed cottons.
- 677 KRUPP, F. Essen, Mann, Inv. and Mann.—Steel gun, 6-pounder, complete. Steel cuirass, and one tried by being fired at with six different bullets. Steel rollers, springs, and railway axle.
- 678 TEUTENBERG, L. Heiten, Knis Arnsberg, Inv. and Mann.—Rifle with seven barrels, which can all be fired and loaded at once, particularly applicable for shooting wild-fowl, &c.

e. MAGDEBURGH.

- 679 BENNEHAUS, J. C.—Sparry ironstone, from the mines of Hoffnung and Segen Gottes. Brown iron ore, from the mine of Heiligenberg. Pig-iron, furnace slag, iron in bars, &c.
- 680 FEITHEAUS —, Wetzlar, Prod.—Fragments of ore, and samples of the cinnabar obtained from it.
- 681 ROYAL SALT MINE, Wangerust, at Niturn, Mann.—Kitchen salt and mother-lye of salt.
- 682 WORKS at MAGDEBURG, near Hanzerode, Anhalt, Bernburg.—Model of a wind instrument constructed by Lüdens. Sparry iron, raw and roasted, with magnetic ironstone crystals. White pig-iron, &c. Axletree, puddled, and re-heated by gas. Waggon-boxes, and a sample of iron. Model of a gas-furnace, constructed by Bischof. Fluorspar. Artificial lead-glance crystals. Crude antimony, three varieties. Litharge or protoxide of lead. Pure lead. Mixed vitrol.
- 683 ROYAL PRUSSIAN CHEMICAL MANUFACTORY.—Chemical preparations and specimens of common salt. White oxide of zinc, prepared in the dry way. Iron alum. Red prussiate of potash of Gmelin. Pure gallic acid. Salts of sodium, potassium, barytes, &c. Glacial phosphoric acid. Iodine. Chloroform. Bromine. Sulphuret of carbon. Preparations of tin, copper, and bismuth. Pure succinic acid. Caustic potash. Metallic cadmium. Binoxide of mercury.
- 684 WEISS, J. H. Michlhausen, Mann.—Produce of plants: Madder lac-colours, for artistic painting. Madder covering-colours. Patterns coloured with the dyes.
- 685 BEHM T. Anhalt, Bernburg, Mann.—Sugar from red beet: one acre of ground will yield 120 cwts. of red beet, equal to 5½ cwts. of raw sugar.
- 686 BLEIBTREP, L. O. Brunswick, Mann.—Chicory-root, kiln-dried, in slices; roasted; and ground to powder. Prepared chicory-coffee.
- 687 BRUNNE, A. F. W. Anhalt, Bernburg, Mann.—Sugar, manufactured from red beet.
- 688 FEGERSPAHN, A. Muhlhausen, Mann.—Samples of gins.
- 689 HANRELAND, W. Schominger, Brunswick.—Samples of dried fruit. Peeled apples, pears, plums, melons, cherries, &c.

- 690 HALLER & DORRIG, Mann.—Specimens of wheat starch produced by machinery, and by chemical processes.
- 691 HENNICH & WENZ, Magdeburg, Mann. Agent in London, J. Horstman, 28 Finsbury Sq.—Sugar, made from red beet-root, and with the centrifugal machine. Loaves of sugar (purified). Refined beet-sugar.
- 692 SOLOMON, J. A. & Co. Brunswick, Mann.—Dried chicory-root; the same powdered. Chicory-coffee.
- 693 TRICHMAN, C. Erfurt, Mann.—Samples of saccoo and powder; vermicell, wheat-grits, pearl-barley, and mustard. Blacking.
- 694 THE LOBUNG MANUFACTORY, Magdeburg.—Brown and white sago; grape sugar; potato flour and starch; pearl barley; artificial gum; white and brown treacle; white sago-grits. Dry burnt starch, in three qualities, for factories; pipe starch; ringed and powdered starch, made of wheat of the first quality.
- 695 WITTEKOP & Co. Brunswick, Mann.—Samples of flour, groats, macaroni, and chocolate, manufactured by hand and by steam.
- 696 GIESLER, —, Bale of wood, carefully prepared from pure wood leaves.
- 697 THE MANAGER and TEACHER of the SCHOOL of AGRICULTURE at Alsch, near Erfurt.—Samples of hogs' bristles, taken from animals of different races. Canary and coriander seeds.
- 698 ANSCHUTZ, R. Zella, Duchy of Gotha, Mann.—Gun and rifle barrels of common wire, and flint-damask; of fine Paris and fine flower (Turkish) damask; of fine chain damask; of Lamrette and Gothic damask; of fine steel-wire and iron damask. The iron for the steel is made in Zella of sparry iron-stone, obtained in the district of Schmalkalden.
- 699 BRECHT, A. Weimar, Mann. Agent in London, Conal S. Cahman.—Rifles with fine damask barrels and walnut-tree stock, ranged for pointed and round balls, &c. The iron employed is from Thuringia; the barrels from Lutsch.
- 700 HANAU, W. Reuss, Mann.—Pair of pistols, with apparatus, in a case.
- 701 KÜNIC & SONS, Duchy of Sachsen Coburg, Mann.—Pair of pistols; barrels and shafts inlaid with silver, in the Gothic style, with complete apparatus in case.
- 702 SAUZEHR, L. Duchy of Gotha, Mann.—Double rifle, of solid cast-steel. Both barrels are bored in a converging direction, to one aim, in such a manner as to direct the balls to the same mark. It carries pointed and also round balls, &c.
- 703 SCHILLING, V. C. Suhl, Mann.—Brace of pistols, with fine damask barrels and ornamented stocks, and apparatus complete.
- 704 ANSFELD, A. Gotha, Duchy of Saxe Gotha.—Planimeter, an instrument invented by Dr. Flassen, of the Observatory at Seeburg, for the purpose of measuring surfaces. Microscope.
- 705 BROMEL, A. Armstadt, Principality of Schwarzburg, Sonderhausen, Mann.—Decimal balance, to weigh from 10 to 15 cwts.; another in brass, to weigh 1 cwt.
- 706 NETZCAMAN & VACCANT, Halle, Mann.—Sets of drawing instruments.
- 707 SCHULTZ, J. F. Paulkatzell, Principality of Schwarzburg, Rudolstadt.—An organ; its peculiarities consisting in great power of tone and simplicity of mechanism, with a contrivance for producing deeper tones, and an arrangement for accelerating the transmission of sound.
- 708 WAGNER & Co. Reuss, Mann.—Agents, Elemenhorst Brothers, London.—Accordions, inlaid with fine metal and mother-of-pearl. Glazed cupboard.
- 709 ZITTEK & WINKELMAN, Brunswick.—A pianoforte, and a grand pianoforte.
- 710 DANNERBERG & SON, Eidenburg, Mann.—White and

coloured furniture stuffs. Jacquets. Calicoes—millefleurs, light ground, pink, violet green, and madder.

711 VOGEL & CARNA, Gera, Reuss, Mann.—Cotton goods figured, coloured, and woven in the Jacquard loom, made of German and English cotton yarn; chiefly in demand in European Turkey, and in Persia.

712 HAGNERBUCH, C. G. Grand Duchy of Saxe Weimar, Four-fold worsted yarns. Rew and dyed yarns, sephyr and castor, made partly from Silesian and West Prussian and partly from Saxon wools; dyed at the manufactory of Messrs. Schuster, of Berlin.

713 HASELOFF & Co. Berg, Mann. Agent in London, J. A. Seeger.—Black, blue, and violet royal cloths, &c. of wools from Silesia, Posen, &c.

714 HENNING, WALTHER, & Co. Reuss, Mann.—Specimens of Thibet mousseline-de-laine, Cashmere d'Écosse, and Nepolitaine. All woven of comb-yarn, and dyed in various colours.

715 MEINER & SONS, Ronneberg, Duchy of Saxe Altenburg, Mann.—Pieces of doucet; plaid short flannel; gase flannels; cashmere, all wool, short flannel, white; molting, &c.

716 WESER, E. Reuss, Mann. (Agent in London, C. Holland, 41 Finsbury Cross).—Woolen plain unfilled stuff goods. Thibet; satin burbes and mousseline-de-laine. Woolen stuffs, figured and printed. Chequered and plain table-covers.

717 WEISS, jun. & Co. Langensalza, Mann.—Specimens of worsted yarn spun from Prussian wool; used for Thibets, Barrages, cashmeres, &c. Zephyr yarns for embroideries, shawls, and similar articles.

718 ZIMMERMAN & SONS, Apolda, Saxe Weimar, Mann.—Various cotton and woolen hosiery, and fancy articles.

719 SCHNEIDER, G. Mann.—Tanned horse and calf skin for sole-leather.

720 WEINZLOG, E. F. Reuss, Mann. (Agent in London, B. Goss, 1 Sambrook Ct. Radinghall St.).—Specimens of Thibet, and satin-de-laine; the same figured. Piece of embroidery on velvet.

721 DIRECTORS of the HERFORD FAIR, Mann.—Carpeting of cow-hair, &c., linen, furniture covering, and fancy works. String basket; hemp and string bags. Papier-mâché cases.

722 HORNIC, C. E. Brunswick.—Samples of flax and tow.

723 MÜLLER, A. F. Miehlihausen, Mann.—Ladies' working, crimson, blue, scarlet, green, grey, black, and white, and plain mixture, flag cloth. Etamin for cactus, sack-cloth, and plush caps, &c., all wool.

724 URRAN, A. Gaudersheim, Brunswick, Mann.—Damask table-linen, made of a hand-web, prepared from a yarn reaped and spun in the vicinity of Jandersheim. Sample of linen made of English machine-yarn.

725 BAUER & FÖRSTERGER, Reuss, Mann.—Woolen and half-silk goods; including Thibet, Cashmere, &c., handkerchiefs, shawls, and scarfs, in various colours.

726 BODMER, J. jun. Eidenburg, Mann.—Half wool moussel; jacquet-de-laine, half wool; challis, all wool; moussel and cachemire d'Écosse.

727 BROCKEL, E. Greis, Mann.—Peruvian Condé. Thibet. Concallé. Cashmere d'égout l'isy. Mousseline-de-laine wire. Jacquard Kaly. Calabrie pensé. Satin-de-laine. Drab satin grosé, &c.

728 GUTTZ & BAUGH, Greis, Reuss, Mann. (Agents in London, Oppenheim & Co. 15 Adde St.).—Thibet, green and drab; Cashmere, nacarra; satin, nacarra; mousseline-de-laine shawls.

729 LUCIUS, J. C. & Co. Mann. (Agents in London, Schmuck, Souchay, & Co.).—Damasks, woolen, and silk, amaranthe, cotton, and silk. Scottish dresses, cotton and worsted; fancy dresses. Tartan plaid; stratin hoods, &c.

730 MACHT, H. W. Mann. (Agents in London, Gottschalk & Schroeder, 73 Basinghall St.)—Shoe-stuffs of cotton mixed with wool; woollen garments; garments of linen mixed with cotton, and of wool mixed with cotton.

731 MORAND & Co. Gera, Reuss, Mann. (Agent in London, C. Holland, 41 Finsbury Circus.)—Half-silk goods; comb-wool stuffs; Cashmere; mousseline-de-laine; satin d'Espagne; Napolitaine; drap d'été; and cuir-de-laine.

732 SCHRAUDT & Co. Coburg, Mann.—Drills, half-linen, for trousers and stays; bed-ticking of cotton-warp and linen-shot; Turkey-red yarns dyed by the exhibitors.

733 SCHWETZER & HALLER, Gera, Reuss, Mann.—Specimens of Thibet black stuff; Cashmere, atlas-olive and black; mandarine, lilac and mode.

734 WIRLAND, E. Erfurt, Mann.—Double damask cover, with red silk fringe. On the right side a white cotton warp and silk shoot, on the other an orange cotton warp and blue wool shoot.

735 BOCHNER, A. Erfurt, Mann.—Large gaiter-boots, various; lilac velvet gaiter-boots; serge and cordovan shoes.

736 ERCKE, Gera Reuss, Mann.—Skins for light and black bridles. Pair of tops for boots. Ornamental table-cover.

737 KRÄMER & BALDANAS, Magdeburg. Agent in London, Mr. Schofer.—Skin of smooth black leather. Brown and light bridle-skins, made of German skins, and curried with oak-tan.

738 KRETSCHMANN, H. W. E. Eisenburg, Duchy of Saxe Altenburg, Mann.—Shoe stuffs: Stramir cord and woollen shoe-cord. Ladies' and gentlemen's shoe tops, various.

739 LAUER, F. Halle, Mann.—Lady's saddle complete, with bridle, hind-piece, and fore part; gentleman's saddle; saddle-tree, complete, with the exception of the leather-work.

740 LANGENTHAL, G. Erfurt, Mann.—Calf leather boots, enamelled boots, and button boots.

741 RANWGER & SOHN, Duchy of Saxe Altenburg, Mann.—Lamb-skins. Fine leather gloves. Dyed leather samples.

742 SCHIENE, H. L. Gera Reuss, Mann.—Tanned calf-skins.

743 SÖDERMANN, W. Erfurt, Mann.—Machine, or cylinder-parchment. Parchment skins, and drum calf-skins.

744 WIKER, C. F. Mann.—Smoothing-iron for kid leather.

745 WIRLAND, F. Erfurt, Mann.—Serge and brown leather shoes and serge boots. Varnished leather clogs. Stuff shoes with caoutchouc. The shoes are of English serge-de-Beiry, varnished Mayence, calf leather, boonce leather from Paris, and vesite leather. The elastic caoutchouc material is manufactured by J. L. Raempler.

746 GRAP, H. Duchy of Saxe Altenburg.—Atar-Bible, with large steel-plate engravings, in violet leather, and cover and lining gilt.

747 KESNER, G. W. Erfurt.—Organ music by Bach, Friedl, i. to vii.—Kühmetzt. Op. xviii. Bruck, Fischer, Mendelsmoh, Körner, &c.

748 REISSER, W. Mann.—Album of coloured drawing-paper, with violet margin, and gilt edge.

749 WESTERMAN, G. Brunswick.—European Gallery, a copper-plate work: the plates of English engraving. History of the Courts of Valkenstein: the printing, paper, and type of German manufacture.

750 EISENBERG & RICHTER, Eidenburg, Mann.—Coloured calico:—Blue, orange, red, green, lilac, brown and red, pink and crimson. Coloured shirting.

751 ALBERTI, Miss FRIEDRICH, Nansen, Mann.—Table-cover, embroidered with silk, chenille, and gold.

752 GROSEMANN, AGNES, Weissenfels.—Embroidered carpet: principal design, The discovery of Moses in the ark of bulrushes.

753 GOTTSCHALK, J. A. Erfurt, Mann.—Gaiter-boots. Satin and japanned shoes. Brown kid-leather shoes. Japanned and lasting gentlemen's boots. Children's boots and shoes. Horse-leather gentlemen's boots.

754 ISRAEL, C. Erfurt, Mann.—Extra superfine four-seamed plush caps. Hand-knitting work. Tuck, plain, and pointed caps.

755 KOCKER & SOH, Querlerode, Mann.—A variety of women's stockings and half-hose.

756 SCHMIDT & SOHN, Zerbst, Mann.—Silk and beaver hats. The beaver hats are made of pure ruspen hair; the white beaver hat of German white larin hair.

757 SCHOPFER, F. Mann. (Agent in London, W. Meyerstein, 15 Watling St.)—Specimens of ladies' stockings.

758 SCHOPFER, C. F. Reuss, Mann. Agents in London, Gottschalk & Schröder, 73 Basinghall St.—Women's brown and white hose, and men's brown half-hose, made of English twist.

759 WEINBÖCKER BROTHERS, Reuss-Zealmode, Mann.—Men and women's white and brown cotton hose, two and three threads.

760 BAUM, E. Duchy of Coburg, Mann.—Stove of polished iron-plate, in the form of a "Knight in full armour," with a base of cast-iron.

761 BEYER & HEVITZ, Dobra, Mann.—Parquetrie squares, exhibited for workmanship.

762 EISENBERG, Count G. Iron Works, Leuchhammer.—Cast-iron goods. Ornamental bronze casts; bust of the Prince of Prussia, &c. Polar bears, monkeys, tigers, &c. modelled from animals in the London Zoological Gardens.

763 FLEISCHMAN, V. Saxe Meiningen, Mann. (Agent, J. Kendall, 8 Barb Lane, London).—Looking-glass frame. Madonna and bracket. Brackets. Maseppa and horse. Dog, &c. bronzed. Candle screen. Architectural ornaments. An assortment of animals. Daguerrotype frames. Medallions in horn frames. Serpentine stones, with medallions.

764 MEYER & WRIED, successors to STORWASSERS, Brunswick.—Japanned tea-trays, with pictures, after Nickoll and Mieris. Varnished paintings, after Fäger, Wilkie, and Pfeuffer.

765 PINGLER, G. Schleis, Mann.—Night-clocks. Dressing-glasses. Lamp. Candle-screens. Tinder-boxes. Match-boxes. Fumigating-machines. "Stalleur-lamps." Bottle-corks. Boot-jacks, &c.

766 STURZEN & KLEEMAN, Erfurt, Mann.—Brass sliding, or pillar lamp.

767 WALLACK, A. Grand Duchy of Saxe Weimar, Mann.—Bronze jewel-box in the Byzantine style, partly gilt, and partly silvered.

768 EßNER, C. Brunswick, Mann. Agents in London, A. & P. J. Meyers & Co. 144 Leadenhall St.—Plate glass; with paintings, &c. Tiles and gutter-tiles of glass, made from white sand, quartz, and chalk found in the neighbourhood. Glass cylinders exhibiting the plate-glass in its half-finished state before opening out.

769 BORN, C. Brunswick, Mann.—Tea-kettle, tea-pot, and milk-jug, manufactured and ornamented by hand.

770 HACKS, von, A. Erfurt, Mann.—Writing chiffonnière, of nut-tree wood, in the renaissance style, ornamented with carving, and marquetric-work of silver, copper, brass, ivory, and mother-of-pearl.

771 HENRICH, G. Zerbst, Mann.—Looking-glass, the frame of carton-pierre, with gilding and ivory medallions.

772 HENKESHO, F. E. & Co. Duchy of Sax-Coburg, Mann.—A lady's work-table, with porcelain plates inserted and painting. The carpenter's work and carving sketched

by M. Amfker. A tea-tray, with a group, "The Fisherman's Family," after Biedel in Rome. Two vases. A statuette on biscuit. The materials for the manufacture of porcelain, all of inland produce.

773 HOFFMEISTER, T. & Co. Duchy of Saxe-Coburg, Mann.—Oak sideboard decorated with carved work, in the German-Gothic style of the middle age, and ornamented with brown plush; oak arm-chairs, to match.

774 HUFER & WALFERMAN, Isabella, Saxe Altenburg, Mann.—Fancy and ornamental boxes, &c. in papier-maché.

775 PUFF, W. Coburg, Mann.—Table in the old German style, with inlaid work, in the natural colours of the wood.

776 SCHARF, C. Anhalt, Bernburg, Mann.—Ornamental draught-board, made of mahogany, chestnut, maple, rosewood, zebra, and keister woods.

777 SCHRADER, C. Anhalt, Bernburg, Mann.—Ornamental draught-board, consisting of plum-tree, kingswood, rosewood, chestnut, molosse, mahogany, and maple-wood.

778 ARNOLDI, C. E. F. Duchy of Coburg, Gotha, Mann.—Pharmaceutical instruments, crucibles, measures, funnels, water-pipes, &c., made of earths and clay found in Thuringia Forest.

779 STOLBERG AND WERNINGRODE, Earl of, Ilseburg Foundry.—A Gothic vase, intended for a fountain. A window-frame. A garden-table. A marble table; the marble from the mines in the neighbourhood. A Corinthian and a Gothic stove, &c., exhibited as specimens of casting in iron.

780 THE DUCAL FOUNDRY INSPECTION, at Rübeland, Brunswick, Mann.—Slabs of marble found near Rübeland, principally black, gray, and red. Can be obtained in blocks of nine feet in length, and five feet in breadth.

781 ROMPLER, J. J. Erfurt, Mann.—India-rubber elastic braces and watch-guards. Silk and half-silk shoe stuffs, mixed with India-rubber: shoes made of the same material.

782 WALTER & SON, Brunswick, Mann.—Chairs, and paper-basket.

783 SCHREIBER, J. C. G. Merseburg, Mann.—A large dressing-case, inlaid with silver. A variety of dressing cases. Oval, round, seed, and sundry boxes. Visiting cards, albums, &c.

784 ZIEGLER BROTHERS, Anhalt, Mann. (Agent in London, C. Holland, 41 Finsbury Circus.)—Real meerscham pipe-bowls, and imitation meerscham bowls. Wood and clay pipes and bowls, and china pipes. Real meerscham bowls, coloured by being boiled in oil.

785 BOESCHE, C. J. Magdeburg, Prod.—Models: the cathedral at Magdeburg, made of limetree-wood; the roof of the cathedral. The fine spring at Nürnberg, by Schöbofer. Original model of a spring.

786 JACOB, H. Schmöle, Duchy of Saxe Altenburg (Agent in London, T. Wirkler, 16 Sidney St. Commercial Rd.)—Oil-paintings on iron plate, japanned and varnished, representing Idyl, after Nicholas Berchem, and the Magdalen, after Maes.

787 JACOBI, F. A. Brunswick (Agents in London, Jones, Simonsen, & Co.)—Hunting-cup, with embossed and chased work. Lion's head (marble-plaster).

788 STROCKMAN, W. & Co. Brunswick.—Varnished paintings on tin-plates, in gilt frames, after Rubens, Raphael, Murillo, Rallisch, and André.

789 TRUMPELMANN, A.—Pictures and transparencies.

790 VERHU, LANDWIRTSCHAFTLICHE, Banguhausen, Prod.—Samples of seed and hemp.

791 ZIEKENRACH, R. Mann.—Woolen cloth.

792 HAUCH, A. Halle, Mann.—Specimens of sundry articles manufactured from hemp.

793 BAUCH, J. F. Gutz, Mann.—Mousseline-de-laine, shawls, and handkerchiefs.

794 KAUSCHE, G. Brownsike, Inv. & Manu.—Sundry fancy articles, embroidered with gold, silk, silver, pearls, &c.

795 KUKNEMUND, J. G. Ronneburg, Mann.—A harrow.

796 LUX BROTHERS, Bahla, Mann.—An assortment of different pipes.

797 WEIMAISTER, T. Sena, Mann.—Manufactures of wool, elastics.

798 HURBASS, P. Suhl, Mann.—Sundry articles made of wool.

799 BURRACH BROTHERS, Bernburg, Mann.—Sundry articles made of hemp.

800 SCHUKA, J. Brannschweig, Inv. & Manu.—Gilt and fancy leather and paper articles, portfolio pressed hollow from pasteboard.

801 BLAUCKE, E. Nuremberg, Mann.—Double-barrelled gun; joint bullet rifle, with all appurtenances.

802 SOMMERMEYER & Co. Magdeburg, Inv. and Manu.—Iron fire-proof safe, of a novel construction.

803 GRAFF, W. Münchenhoff, Prod.—Stuffed sheep. Fleece of wool.

804 ASSOCIATION OF MANUFACTURERS at Sonnenberg, Duchy of Saxe Coburg and Gotha.—Tableau of plastic work representing a rural fête, held at Castle Florence, the country palace of the Duke of Saxe Cobourg Gotha, the residence of H.M. the Queen, when on a visit to the Duke, and the place where H.R.H. Prince Albert was born. This tableau contains about 400 moving figures, bands of music, &c.

805 ALTOSCHWEITNER, F., & Sons, Wallendorf, Mann.—Specimens of glass.

806 SCHRAMM, F. L. F. Dessau, Mann.—Samples of oil.

807 DIETRICH & SON, Poesneck, Mann.—Specimens of flannel.

808 GÖRTEL, F. D. Wallendorf, Mann.—An assortment of articles in porcelain and glass.

809 SCHMIDT, C. & H. Poesneck, Mann.—Transparent shades.

810 BURCKHARDT BROTHERS, Giefeld, Inv. & Manu.—Paintings on glass.

811 SCHULZ, L. W. Meiningen, Inv. & Carver.—An assortment of sundry ivory cups, and other splendid works of art. The artist executed several elaborate specimens of his craft for the late King of Prussia.

812 HEINIG, J. G. & Sons, Altenburg, Mann.—Samples of string and twine.

813 FORKE, G. Halle, Prod.—Samples of bristles.

814 DAHLHAIN, F. Balkwedel, Mann.—An assortment of cotton goods.

815 CAUTA & BOEHNE, Poesneck, Inv. & Manu. Agent in London, J. Kendall, 8 Harp Lane, Tower Street.—Sundry articles of glass, porcelain, &c.

816 BRUND & NAGLER, Gera, Mann.—Various woolen goods.

817 KRUMMER, M. Weissensee, Mann.—Sundry toys and fancy articles.

818 SOMMER, C. J. Erfurt, Mann.—Money bags and porte-monnaies, &c.

819 WIRTH, F. E. Merseburg, Mann.—Variety of whips.

820 BODEMER & Co. Klingburg, Mann.—Various cotton goods.

821 JARMASCH, C. K. Bernburg, Mann.—An assortment of earthenware.

822 VIEWEG & SON, Brunswick, Printer.—Sundry books.

823 JACOBI, J. A. Brunswick, Inv. & Manu.—Horse cast in iron; sundry cast iron articles.

824 DUNKEL & Co. Saalfeld.—Sundry colours.

2. SMALL STATES.

- 825 COBACH, J. Arnsberg.—Lead and silver ore, sulphuret of lead, and sulphuret of zinc (black jack).
- 826 AUGUSTIN, H. F. L. Halberstadt, Mann.—Sugar of lead in crystals, bottom pieces, and in groups of crystals.
- 827 HARRIS & KUWIK, Lübbecke, Mann.—Samples of wheat starch.
- 828 FOMMER, F. Grunberg, Mann.—Woolen cloth, Spanish stripes. Ladies' cloth, lilac. Royal or three-quarters and black fine cloth. Fine satin cloth. Various samples of woolen yarn.
- 829 HOMBERG & SCHLESER, Eupen.—Specimens of buckskin and ladies' cloth.
- 830 RACHOVEN & VOLLSCHEWITZ, Zerbst, Mann.—Agents in London, Brocklesby and Wessels, 4 Moscow Court, Tower-hill.—Samples of black plush, dyed in Germany.
- 831 WIDENMANN, T., M. Gladbach, Mann.—Superfine linen damask table-cloths, napkins, and towels. Fine table-cloth, and other coverings, with sacred subjects.
- 832 RADEKER, J. Elberfeld, Publisher.—The Holy Bible, for church and family use, in the German language, printed in very small type.
- 833 KOCH, C. A. Gladbach, near Mulheim, on the Rhine, Mann.—Superfine post paper. Paper for mercantile books. Plate-paper for copper-plate printing and lithography. Carton papers.
- 834 FRIEDSCHKE, J. J. Sorau, Mann.—Mother-of-pearl, cocco-nut, shell, and horn buttons.
- 835 ARNOLD, C. H. Hesse-Cassel, Mann.—Ornamental paper-hangings: sized-pattern papering; papering with representations of German sports; satin hangings, ditto, in velvet and gold, &c.

2. BAVARIA.

(Agent in London, Dr. SCHAFFHAUS, 5 Albion St. Hyde Park Terrace.

- 1 BENDA, GEORGE, Fürth.—Bronze colours.
- 2 BIKNER & HARTMAN, Nürnberg, Prod.—A series of bronze colours and leaf metal.
- 3 BRADEN, I. jun. Fürth, Prod.—Samples of bronze powder, of leaf-metal, and bars of molten lead.
- 4 FUCHS & SOHN, Fürth, Prod.—Various specimens of metallic leaf; bronze powder; rolled orsedew (tinsel) and shavings (waste of leaf-metal).
- 5 LUX, J. L. Fürth, Prod.—Specimens of white leaf-metal made of English tin.
- 6 LEFFER, G. Fürth, Prod.—Fifty different samples of bronze powder and leaf-metals.
- 7 STORERS & SOHN, L. Fürth, Prod.—Specimens of bronze powder.
- 8 BOKER & PORSELIUS, Regensburg, Prod.—Specimens of extract of nut of the quercus-cerris.
- 9 BENDA, G. Fürth, Prod.—Bronze powder, in a small case.
- 10 GERSTENDORFFER, J. Fürth, Prod.—Samples of beaten metal (Dutch metal).
- 11 KÜELEN, G. Fürth, Pro.—Samples of beaten metal (Dutch metal).
- 12 GADENAN, H. Schweinfurt, Prod.—Specimens of blue, black, and green ultramarine.
- 13 RAU, I. Fürth, Prod.—Specimens of bronze powder and leaf metal.
- 14 SÄTTLER, W. Schweinfurt, Prod.—Specimens of colours in glass bottles.

- 15 SCHUCK & UHLICH, Bamberg, Prod.—Specimens of ultramarine.
- 16 STORER, T. T. Fürth, Prod.—Specimens of bronze powder.
- 17 WOLFF & Co. Schweinfurt, Prod.—Specimens of ultramarine.
- 18 HANCKESCHNIDT'S E. Regensburg, Prod.—Samples of Bavarian wheat, grit, fodder, flour, bran, corn, &c.
- 19 ERICH, C. A. Munich, Prod.—Bavarian wheat, wheaten groats, wheaten flour, and peeled barley.
- 20 HEINLEIN, C. V. Bamberg, Inv.—A rifle, carved and ornamented in the old German style.
- 21 KUCHENREUTER, T. A. Regensburg, Inv. and Pro.—Two pair of rifle pistols, in rosewood cases.
- 22 RAADER, J. A. & Co. Mittenwald, Pro.—Two violins; tenor; violoncello.
- 23 BOKER, T. Munich, Inv. and Mann.—A cylindrical silver flute, with the following improvements:—Correct proportions in the construction of the tube, a new arrangement of the key mechanism, and a new form of embouchure of gold. Flute d'amour (in B flat), of German silver; and model of a patent hautboy, constructed on the same principles.
- 24 EISENBERGER, G. Fürth, Mann.—Collection of long-nettes, spectacles, and eye-glasses.
- 25 EITEL, TRADGOTT, & SOHN, Munich, Inv. and Prod.—Astronomical universal instrument; constructed on a new principle.
- 26 IMMAYER, I. M. Nürnberg, Prod.—Collection of magnetic toys.
- 27 JORDAN, J. F. Fürth, Mann.—Flexible syphon, car-tubes, pipes, &c.
- 28 KAPFELER, L. Hafnerszell, near Passau, Mann.—Crucibles of plumbago.
- 29 KLINGNER, C. A. Nürnberg, Prod.—Terrestrial and celestial globes, with stands and compasses.
- 30 MERZ & SOHN, Munich, Inv. and Mann.—Refractor, having 45° apert., 48" focal length, for variable latitude; equatorially mounted. Microscope, with various object-glasses and three eye-pieces, for nine magnifying powers, from 20 to 1,800 times. The instrument is provided with a screw micrometer and the necessary apparatus for holding and illuminating objects.
- 32 MECHANICAL SCHOOL, Zweibrücken.—Electro-magnetic apparatus, and electro-magnetic rotatory apparatus.
- 33 NEUNER & HORNSTEINER, Mittenwald, Prod.—Violoncello, tenor, and violins. Fernambuck violin and violoncello bows.
- 34 RIEFLER, C. Maria Rhein, near Nesselwang, Inv. and Prod.—Case of improved mathematical drawing instruments.
- 35 PFYFF, M. Kaiserlautern, Prod.—Bombardon ophocleide in C, with four valves and mouthpiece. Trumpet in B flat, with three valves, four crooks, and mouthpiece.
- 36 BREITANO, PILLOUX & Co. Augsburg, Mann.—Patterns of silk cloth, with gold and silver; for furniture and church apparel. Patterns of various cloths, manufactured from Bavarian silk.
- 37 SIMON, H. Zweibrücken, Mann.—Silk plush.
- 38 KNORR, F. Zweibrücken, Mann.—Silk plush, for hats.
- 39 BRAUN, L. Wunsiedel, Mann.—Specimens of Manila damask cotton and Manila bemp, mixed.
- 40 SCHUTZMANN, A. Munich, Prod.—Canvas, prepared for paintings, twenty-three feet by thirteen feet four inches.
- 41 TRENDL & SOHN, Coblenz, Mann.—Linen damask. Striped half-linen cloth for trousers. Fine white-linen satin; half-linen satin. Half-linen cloth for trousers; the same of half-linen thread.

42 GERMANT BROTHERS, Hof, Mann.—Shawls and handkerchiefs, cotton and wool, and woollen. Drawers, of cotton and oacotehose.

43 LIEHMANT, F. Hof, Mann.—Cotton goods; cotton mixed with wool.

44 STEINHAUSER, H. Hof, Mann.—Shawls of wool, mixed with cotton. Tartans of mixed fabric.

45 GRIMM, L. Landau, Mann.—Girths for horses of bleached hemp; girths unbleached. Halter, of red woollen thread; halter, of white hemp twist.

46 MAYER, I. Munich, Mann.—Enamelled coach hides. Enamelled calf-skins. Japanned shoe calf-skins. Curried bridle leather. Curried hog-skin for saddle seats.

47 HAEUKE, L. Munich, Prod.—Silver and gold paper, plain and ornamental. Bronze powder, and specimen of printing with bronze colours. Samples of gold paper borders, &c.

48 ESCHERICH, T. Munich, Mann.—Various portfolios and cases, in leather.

49 KOHN, M. T. Main-Berabehn, Prod.—Samples of sealing wax.

50 SAMMET, T. Marktst., Prod.—Black ink for copper-plate printing.

51 GRANTZSCH, Hof, Prod.—Specimens of embroidery.

52 MAYER, EMILIE, Aschaffenburg, Prod.—Embroidery in silk.

53 FRANK, J. Regensburg, Prod.—Ladies' boots of satin and of leather and black cloth. Embroidered slippers.

54 FEHR & EISENERG, Augsburg, Prod.—Metal plates, with letters and characters in relieve, for the instruction of the blind.

54A KALTENBECKER, J. Munich, Mann.—1 Samples of textures of wires, hair, wood, and case. 2 Sieve, with bottom and cover, of parchment. 3 Sieve, of parchment, for sifting gunpowder. 4 Triple sieve, for sorting. 5 Drum, with improved tuning screw. 6 Model of double gratings, for drying malt. 7 Visers used in fencing.

55 GRADMAN, A. Erbacher, Fabrik, near Homburg, Prod.—Forty specimens of horse-shoes.

56 JANSEN & LEUNDORF, Hof, Mann.—Ginghams.

57 KUHN, E. Nürnberg, Prod.—Patterns of gold and silver-plated and copper wire, spangles, &c.

58 KULMICH, F. Munich, Prod.—A casket with ornaments for ladies.

59 TROELTCH & HANDELSMANN, Weissenburg, Prod.—Gold and silver lace.

60 HECHINGER, H. Fürth, Mann.—Mirrors of tinted glass.

61 HEILBRONN, L. Fürth, Mann.—Mirrors.

62 NEFF, M. N. Shleisbach, near Eitman, Prod.—Specimens of white crown glass.

63 REINSCHE, O. Kürnberg, Inv. and Prod.—Various objects of art, made of glass.

64 THE ROYAL PORCELAIN MANUFACTORY, Kymphenburg, near Munich.

Porcelain.

Vases, goblets, pitchers, and flower-vases, with pictures after various artists. Table services, for fruit. Plates, and pots, with portraits after eminent masters.

White Bisquit.

The eight departments of Bavaria. Eight busts of renowned men, &c. Statues, gilded. Two Tyrolean figures, in brown biscuit. Statues of Bavarian princes and renowned artists, and poets.

65 HEILD, K. Kürnberg, Prod.—Tobacco pipes of Turkish clay, or in clay meerschaum; cigar tubes of the same material.

66 ADT BROTHERS, Eschheim, near Zweibrücken, Pro. Various works in papier-maché.

67 BARTH, BROTHERS, Würzburg, Prod.—Lady's desk in renaissance style. Lady's work-table in rococo style.

68 DREHAU, A. Aschaffenburg, Mann.—Samples of variegated surface-coloured papers.

69 FORTNER, F. X. Munich, Prod.—Marquetrie writing-table in old German or Gothic style, of rose-wood, inlaid with different metals, &c.; and portraits in the same style. Portfolio similarly executed. Portfollo in renaissance style; another in bahl style.

70 MAYER, T. Munich, Prod.—Two crucifixes. The Madonna. Flower-vase, of carton-pierre.

71 FLEISCHMAN, C. W. Nürnberg, Prod.—Anatomical pathologic casts in papier-maché.

72 FLEISCH, N. Eschheim, near Zweibrücken, Prod.—Snuff-boxes and other utensils in papier-maché.

73 HARTMANN, T. T. Munich, Prod.—Samples of parquetrie work for floors.

74 BAADER, I. Garmisch, Prod.—Candelabra of stag horn, exhibited as a specimen of turnery.

75 FRANK, C. Fürth, Prod.—Goblet in carved ivory. Chess-men cut in ivory, with chess-board and polished case. Spinning-wheel in ivory.

76 HERBERT, J. Lindberg, near Zwisel, Mann.—Specimen of wood for sounding-boards.

77 LANG, G. Oberrammergau, Prop.—Collection of ornaments and toys cut in wood, ivory, and alabaster.

78 BAUER, G. Würzburg, Prop.—Bouquet of flowers in confectionery.

79 BIRKMAN, M. Nürnberg, Prod.—Black-lead pencils.

80 EICHNER, G. L. Nürnberg, Prod.—Varnished toys of tinned iron plate.

81 FARRER, A. W. Stein, near Nürnberg, Mann.—Patterns of black-lead pencils.

82 REHRBACH, J. J. Regensburg, Mann.—Black lead-pencils. Boxes with crayons for drawing, &c.

83 HAGEN, M. Munich, Inv. and Prod.—Goblet of ivory, carved with figures and arabesques; gilded silver inside.

84 HALBIG, J. Munich, Inv. and Prod.—Goblet, in plaster of Paris.

85 HANFSTAENGL, J. Munich, Inv. and Prod.—Specimens of galvanography, combining the effects of the brush with those of the chisel. Original copper-plate, with the drawing in relief. Secondary, or printing-plate, produced by galvanism. Print from the same.

86 KELLNER, S. Nürnberg, Prod.—Glass painting, a copy of the window in St. Lawrence church, at Nürnberg.

87 HELBIG, J. Munich, Prod.—Bust, in Flanders marble.

88 KNOLL, C. Munich, Inv. and Prod.—Model of a goblet, in plaster of Paris, to be cast in bronze.

89 LEER, J. Munich, Inv. and Prod.—Two figures in Carrara marble, highly finished. 1 Cupid. 2 A girl.

90 MILLER, F. Munich, Prod.—Colossal lion, fifteen feet long and nine feet high. Two statues, seven feet high, modelled by Schwanthaler, cast in bronze and finished with the chisel. 1 Libussa, Queen of the Bohemians, anno 700. 2 George of Padiehrad, King of the Bohemians.

91 MUMM, J. Munich, Prod.—Stereochromic picture upon mortar-ground, plastered on wood; a new method for producing indestructible paintings on walls.

92 SCHMIDT, C. Bamberg, Prop.—Picture by Raphael, painted on china plate. Paintings on porcelain.

93 ZILLER, F. Munich, Prod.—Silver fruit-plate in the form of a shell, in alto-relievo. Two relieves in silver.

3. SAXONY.

(GUSTAVUS DOERSTLING, Esq. and DR. WOLDEMAR SETZFARTH, LL.D. Commissioners for Royal Saxony, 91 Plocadilly.)

1 SOMMER, C. Sornzig, near Mügeln, Prod.—Specimens of flax cultivated in the Belgian manner, water-retted and swingled, also swingled and heckled. Patterns of extra fine yarn, spun from the flax.

2 WATTYNE, J. Lichtenberg, near Freiberg, Mann.—Patterns of swingled flax, cultivated in the Belgian manner, and water-retted.

3 GÄSTESCHMANN, W. Zittau, Mann.—Flax, watered and swingled, also partly heckled, in five different qualities.

4 THIEME-WIDTMAYER & FUSCHEL, Reudnitz, near Leipzig, Mann.—Bleached sponges, fine and common quality.

5 KUNZE, F. Rochlitz, Mann.—Varnished leather. Black varnished calves' leather, for the use of shoemakers and belt-makers; the same description, of sheeps' leather.

6 JORDAN & TYMAKOS, Dresden, Mann.—Assortment of dessert chocolates. Ornaments for dining-tables, nips, and Christmas presents. Chocolates and cocoa masses, in packets.

7 HARDNER, G. Leipzig, Mann.—Black printing-ink for hand presses and for machines.

8 JAGODINSKY, A. Leipzig, Mann.—Strong oil-varnish. Calcined soot. Printing-ink for machines and presses.

9 THE ROYAL SAXON COPAL AND NICKEL WORKS Schneeburg (Agent, B. Biggs, 3 LAWRENCE POUNTNEY HILL).—A series of twenty-eight specimens of cobalt blue, enamel blue, smalt and cobalt green. Metallic bismuth. Metallic nickel in cubes.

10 THE ROYAL SAXON CHINA MANUFACTORY, Meissen.—Complete series of ultramarine blue.

11 SCHMIDT & Co. Daubnitz, near Lommartsch, Prop.—Safety fuses: No. 1, for common use in quarries, with black cover, 1,000 yards in one piece; No. 2, for working in mines, with grey cover; No. 3, for working under water. One box, with porcelain clay.

12 HOFFMANN, C. Leipzig, Mann.—Machine for planing printing types, with three different planing tools. Machine for boring corals.

13 BROCKHAUS, F. A. Leipzig, Prop.—Machine for casting types, with instruments for two different sizes of letters.

14 RICKBORN, C. H. T. Leipzig, Inv.—Machine for sweeping narrow chimneys.

15 STOEHRER, B. Leipzig, Inv. and Mann.—Electromagnetic telegraphing apparatus, with dial and hand: used on the telegraphic lines of Saxony and Bavaria.

16 LEYER, M. L. Leipzig, Mann.—Electro dynamometer, with mirror and telescope: for measuring the intensity of galvanic currents.

17 LANGR, A. Glashütte, Mann.—Watches, manufactured as in Switzerland, by division of labour. A box with all parts of a watch, and watch movements in four different stages of manufacture. Watch cases, and engraved patterns. Ten watches, lever escapements, chronometer balance. Six with eight stones.

18 KLEIN, G. A. Neukirchen (Agents, J. D. Kohler and Son), Mann.—Stringed instruments: Brescian counter, bass and violoncello. Violin; Paolo Albani; Amati, and Stainer. Cord-rims-violin. Violin in the antique style. Bass viol. Guitar. Violin bow, with silver ornaments. Pattern book of the appendages of the violin. Wind instruments: Chromatic horn, in F, and trumpet, in G.

19 HEINOLD, C. G. Klingenthal, Mann.—Wind-instru-

ments: Tenor-tuba, with three conic valves. Brass reed horn, with eight valves. Brass clarinet, in E, with sixteen keys. Ivory piccolo, in D, with ten keys. Mouth-harmonica, or musical glasses. Combs of wood.

20 GLIEX, F. & SON, Klingenthal (Agent, F. E. D. Haast, 18 Aldermanbury), Mann.—Wood-combs, and a book of patterns. Violins and fiddle-sticks. Guitar. Trumpet of German silver. Cornet of copper. Cornopean of brass.

21 GLIEX, G. Neukirchen, Mann.—Wind-instruments: Saxe horns; bugle of copper, with eight keys of argentan; bugle of brass, with the same; D flute of ebony, with keys.

22 SCHUSTER, L. Neukirchen, Mann.—Musical instruments: Sackbut, in B, with three cylinders; Packfong trumpet, in G; cornet B alto.

23 SCHUSTER, jun. M. Neukirchen (Agent, C. Holland, 41 Finsbury Circus), Mann.—Wind-instruments: D clarinet, with all keys; B clarinet; B cornet, with three cylinders; bass clarinet, with all keys.

24 ZIMMERMANN, C. Carlsfeld, near Eibenstock, Mann.—Harmonicas and accordions: Chromatic concert harmonicas; bass and tenor harmonicas; accordions of forty and twenty tunes.

25 BREITKOPF & HAERTZEL, Leipzig, Mann.—Concert pianoforte, in rosewood case.

26 THE ROYAL DEPARTMENT OF RAILWAYS, Dresden.—Models of the two great viaducts of the Saxo-Bavarian Railway, over the Elster and Goeltzsch valleys.

27 LATTERMANN & SON, Morgenröthe, near Auerbach, Mann.—Tin goods. Culinary utensils used in Bavaria. Machines for making coffee. Iron spoons.

28 RECHSTEINER, J. B. Connewitz, near Leipzig, Inv.—Twenty-eight specimens of wood-screws.

29 WOLF, T. H. Burgstädt, near Chemnitz, Mann.—Iron wares. A pattern-book of nails, rivets, and tags.

30 KRUMHOLTZ & TRIVKA, Neustadt, Mann.—Various pocket-knives, with from one to thirty-two blades, and with ornamented handles; knives for cutting the end of segars; champagne knives; table knives, &c. Hangers and daggers, with figured handles. Exhibited for execution and arrangement.

31 LEVY, H. Dresden, Mann.—Carving knife and fork, with handles of solid mother-of-pearl, and pins of silver.

32 THURMER, F. T. Meissen, Mann.—A gun with double barrel, on a new percussion principle.

33 STRUBE & SON, Leipzig (Agent, Phillips, Brothers, 31 Cockspur St.), Mann.—Silver works: a vase with fifteen silver flowers.

34 JAHN, A. Dresden, Mann.—Chess-boards of composition metal. Exhibited for cheapness and execution.

35 DE BUENAU, E. Reudnitz, near Leipzig (Agent, C. Holland, 41 Finsbury Circus), Mann.—Composition goods: playthings for children; sets of coffee and tea-things; millinery; toilets; caskets; segar-boxes, &c.

36 HOFFMANN, F. Sebnitz, Mann.—Parts of lamps for the trade, made of brass. Lamp-burners in different numbers. Regulating jacks. Tubes with screw thread.

37 GRUHL, F. Kleinwelka, near Bantzen (Agent, Mr. Mallison, 87 Hatton Garden, Holborn), Mann.—A bell of brass, 363 kilogr. weight, with iron clapper and tackle.

38 STRAUSS, E. W. E. Chemnitz, Mann.—Cotton yarn of different numbers.

39 HEYMAN, G. F. Chemnitz, Mann.—Cotton yarn, Nos. 80, 70, 60, 50, 40, 34, 40, 30, single and medio, first quality. Nos. 10 and 24, six thread, knitting, first quality.

40 BODEMEYER, G. Zschopau, Mann.—Cotton yarn for stockings.

41 HOEPPER, C. F. Tennenberg, near Annaberg, Mann.—Specimens of twist, Nos. 30, 40, 50, spun from Georgia.

42 PANZA & HAUSCHILD, Chemnitz, Mann.—Knitting cotton yarn of various numbers and qualities.

43 MATTHEW, C. G. Chemnitz, Mann.—Cotton thread of different qualities and numbers.

44 THE SOCIETY OF WORSTED SPINNERS, Leipzig (Pfaßendorf), Mann.—Illustrations of the process of worsted spinning, from the raw wool up to the finest yarn. Specimens of worsted yarns of different numbers.

45 TRINTUS & SONS, Leipzig, Mann.—An assortment of worsted yarns, raw and coloured, various threads.

46 PARZOLD & ERBER, Reichenbach, Mann.—Worsted yarns, of different numbers.

47 SOLBERG, C. F. Chemnitz, Mann.—Woolen yarn, of different numbers.

48 WOLF, C. H. Bergstädt, near Chemnitz, Mann.—Woolen soft worsted yarn (raw), various Nos. each 5 lbs. weight; $\frac{1}{2}$ lb. Nos. 24 and 25 on the reel.

49 SCHMIDT, J. G. Jun. & Sons, Penig, Mann.—Woolen yarn, in different colours, and a book of shades.

50 BERN & SCHWARTZ, Frankenberg, Mann.—Rich silk stuffs for tapestry, furniture, carriages, &c. Satin, damask, brocade, and obtaline. Portrait woven in silk. A flag of double satin, with fringes.

50a ROEHLING & Co. Annaberg, Mann.—Rich silk stuffs, viz.: Lampas; damas liseré; broderie Pompadour noiré à réserve; façonné, lancé, découpé; Façonné glacé; Armure.

51 BEYER'S WIDOW & Co. Zittau (Agents, J. Wilson and Sons, 59 New Bond St.), Mann.—Linen damask table cloths; tray cloths, with napkins and doyleys—raw, white, and bleached.

52 LIEBKE & HÄNELER, Gross-Schönan, near Zittau (Agent, P. Amsel, 20 Providence Row, Finsbury Sq.), Mann.—Linen damasks, raw and bleached. Table cloths and napkins.

53 WAKNER, D. & SONS, Gross-Schönan, near Zittau, Mann.—Manufactures in linen damask, viz.: A large tablecloth, unbleached; napkins, all linen, unbleached and white; half-silk, crimson, and chamouis; half linen, red and white. Series of table-cloths, with napkins, of linen-bleached damask, including pieces executed in various years from 1770 to 1850, to show the historical progress of the art. Half-silk and silk damask napkins, partly with fringes.

54 PROKHA, sen. seel. Soms, Dresden, Mann.—Table-cloths of brown and white linen damask. Napkins of the same with armorial bearings. Damask doyleys, with fringes.

55 BRANDTSTETTER, F. Leipzig, Mann.—Table-cloth of linen diaper, 24 feet long, 8 feet wide.

56 BOEHLEK, F. L. & SONS, Plauen, Mann.—White cotton fabrics and embroideries: Plain mull, figured cambric, plain and figured curtain-gaze. Curtains in figured mull, figured nainsoot stripes, embroidered jaconet stripes. Embroidered handkerchiefs of linen.

57 HEYMA, J. G. & Co. Plauen, Mann.—Cotton goods for curtains: Gaze, with borders, figured. Gaze, with borders à jour. Figured damask. Plain mull. Cambric jaconet.

58 KRADER, C. G. & Co. Plauen, Mann.—Embroideries: Figured jaconet; embroidered mulls; figured and coloured borders.

59 MAMMEN, F. A. & Co. Plauen, Mann.—Embroideries in mull, half cambric, jaconet, and linen cambric. Capes and handkerchiefs, tamboured, embroidered with the needle and with the loom.

60 SCHMIDT, G. F. & Co. Plauen (Agents, Ullmann, Hirschhorn & Co.), Mann.—Embroideries on jaconet, silk, and cambric, with cotton and silk. A set of furniture; easy chair, pillow and cushions embroidered à la Française; footstool; window curtains with fringes; wall basket; table-cover; shades; letter case; and pincushion, embroidered in the French style.

61 MEINOLD & STORFACKER, Plauen, Mann.—Embroideries: Muslin curtains, rose and white) broché brode), new patterns worked with the Jacquard loom; gaze curtains, white (broché), worked with the Jacquard loom; embroidered (with the needle) linen handkerchiefs; mulla, plain and figured.

62 SCHNORR & STEINHAUSER, Plauen, Mann.—Embroideries in mull, French, and Scotch cambric and net. Pair of sleeves of mull in the pagoda style; embroidered collars; cambric collars à l'Anglaise; gimpures of net work; chemisettes of mull, à la Duchesse, à la Marie, à l'Amazone; cambric pocket handkerchiefs, English embroidery; pocket handkerchief of French cambric; morning dress of Scotch cambric; pillow of French cambric.

63 GLÄHNER, F. Langenfeld, near Auerbach, Mann.—Cambrics, jaconets, and jaconets spotted, of different qualities. Exhibited for cheapness.

64 HETEM, EMST. & SONS, Auerbach, Mann.—White fancy cotton goods: Gaze ramage for curtains, jaconet, batist, and organdy.

65 BECK, G. F. Hohenstein, Mann.—Cotton woven goods (piqué):—Coverlets, figured; red, plain, and rough. Piqué petticoats.

66 STOLZEL, G. F. & SONS, Eibenstock, Mann.—Embroideries in mull jaconet, linen cambric, and cotton gaze. Capes: festooned of jaconet, mull and cambric, gimped of cotton gaze, of net work, black and white chemisettes. Bonnets, of thread; of white net work; white, black, and coloured with rosettes and fringes, with gold; double black with barbe, of net work. Visites, pelerines, mantillas, and shawls. Laces: Brussels and coloured woollen.

67 PRIEM, EMILY, Eibenstock (Agent H. A. Hientzmann, 16, Colebrook Row, Islington), Mann.—Laces: Bone laces; complete gown, volant. Embroidered: veil, corset, bertha of crape, fancheon of black net work, mixed with yellow; fancheon of white net work.

68 FÖRSTER, F. Eibenstock (Agent, H. Kohnstamm, 7, Union Court, Broad St.), Mann.—Embroidered capes, ruffles, bonnets, barbes, veils, shawls, and pelerines. Laces: Zephyr bed laces, black bobbin, black silk laces, genuine blondes, and a long black barbe.

69 DOKETTEL, C. G. & SONS, Eibenstock (Agent, C. Holland, 41, Finsbury Circus), Mann.—Laces: White thread; black silk lace insertion; and black silk laces.

70 KOESTER & UHLMANN, Schneeberg (Agents E. and H. Blank, 10, Trump St. King St. Cheapside), Mann.—Laces: Imitation Valenciennes and Brussels. Embroideries: Capes; Valenciennes; zephyr net work; ruffles, handkerchiefs of cambric; black silk half veils; Berthas and barbes; mantillas; and shawl of zephyr net work.

71 SCHREIER, F. A. Dresden, Mann.—Laces and embroideries, imitation Brussels. Volans; bertha; barbe; écharpe. Embroidered scarfs in the ancient style; barbe, bertha, &c. Embroideries: collars, ruffles, and pocket handkerchiefs.

72-83 The United Merchant Manufacturers: FRIEDRICH & SONS, NACKE & GEBENBECK, FRIEDRICH NEUBER, FRANZ SOLBERG, WEX & LINDNER, all in Chemnitz; GLÄHNER, J. S. Jun., in Schoenau, near Chemnitz; HÄRTHEL, H. C., in Waldenburg; FRESER, AUGUST, in Limbach; MEYERST, BROTHERS, in Oelsnitz; LANDGRAFF, GOTTFRIED, in Hohenstein; WEBERDOERFFER, C. H. & SONS, in Lichtenstein; SEDLAG GUSTAV, in Königsbrück (Agents, Nacke & Gebenbeck, Friedrich & Son, W. Meyerstein, 15 Watling St.; H. C. Härtel, G. Landgraaf, D. Joshua, 34, King St. Cheapside).—Men's and women's hose; half hose; men's and women's gloves; children's and boys' hose; half hose and jackets; gloves; drawers, and caps; woollen and cotton cambrics, amazons, &c., brown, white, and coloured. Women's hose: brown lace, white lace, and silk embroidered.

84 **BUCKE & SCHLAF**, Chemnitz, Spinners and Printers.—Printed calicos, fast colours. Ribbed cotton cloth, printed with eight steam colours. Cotton handkerchiefs, madder work. Cotton cravats and neckerchiefs, of various styles.

85 **LOHSE, EDWARD**, Chemnitz (Agent, W. Meyerstein, 15, Watling St.), Mann.—Damasks for furniture in half silk, all silk, half wool, and cotton, named *Valentia*, imperial, gobelin, berakam, president, rips, &c.; foulard instrina, half silk; plain and figured cotton camelons; figured ginghams; table covers and bed-cover of half silk, half wool, and cotton damask. Glazed gingham; cravats, cotton jaconet; atlas, and half silk satin.

86 **HORSZ, R. & Co.** Chemnitz.—Damasks: woollen, purple, green, crimson. Silk and wool, two and three coloured brown, striped gobelins, and two coloured green. Cotton and woollen, scarlet, light blue, brown, green, crimson, royal blue, macarathie, &c., table-covers.

87 **ROKHAN & ALBRECHT**, Chemnitz (Agent, W. Meyerstein, 15, Watling St.), Mann.—Damasks: cotton, cotton and wool, cotton and silk, wool and silk, in various colours.

88 **SEYFERTZ & BREYER**, Chemnitz (Agents, Gottschalk & Schröder, 73, Basinghall St.), Mann.—Damask in different colours, named *Victoria* gobelin, coloured gobelin, coloured imperial; silk-striped, woollen and cotton, woollen, silk, and cotton. Table-cover, named gobelin tapis.

89 **VOGEL, W.** Chemnitz, (Agent, D. Foshua, 34 King St. Cheapside), Mann.—Stuffs: woollen, cotton, and silk mixed. Fancy articles, named satin laine, satin laine rayé soie, satin cotton, &c.; damas mi-soie velouté, royal mi-soie, royal coloured, woollen and silk mixed; woollen, silk, and cotton; woollen and cotton.

90 **TRUMER & TOPFER**, Chemnitz, (Agents, Gebhardt, Rottman & Co. 29, Wood St. Cheapside), Mann.—Damasks: silk, cotton, and wool imperial; cotton imperial; furniture in cotton and wool. Table-covers: patent cotton and cotton and wool. Fancy stuffs: robes, satin laine façonné.

91 **WINKLER & SON**, Rochlitz, Mann.—Worsted stuffs from soft worsted yarn: Satin double; maroquin laine; cuir laine; popeline laine; velours laine; velours rayé; Cachemire élast.

92 **ZEBOLE & HAUFMANN**, Glauchau (Agent, J. Borroughs, 18, Adde St.), Mann.—Woollen stuffs (made from soft worsted yarn, mixed with silk); fancy articles named *poult de soie*, Amienne, Cachemire, Thibet, satin imperial, satin de Saxe, Cachemire tissue, &c.

93 **KOHLER & SCHRÖDLICH**, Glauchau (Agent, E. Buchler), Mann.—Stuffs, fancies, wool, cotton, and silk mixed, named *Ecosais*, *Islyennes*, *Stradellas*, *Amiennes*, *Veloutés*, *Favorins*, printed *Veloutés*, &c.

94 **GUEYSTER & SIMON**, Glauchau, Mann.—Worsted stuffs: *Valentia*, *Estalla*, *Cachemirienne*, and *Armure*.

95 **FACILDES & Co.** (Agent, W. Meyerstein, 15, Watling St.), Mann.—Shawls: long, mosaic, teutonia, sephyr, Cachemire, Nancy, &c.

96 **HECKER & TASC**, Glauchau (Agents, Cooper & Blegg, 44 Friday St. Cheapside), Mann.—Various fancy stuffs, woollen and cotton, named *Lombard*, *Montpensier*, *Cachemires*, *tartan*, and *trissams*; and woollen, named *pure laine*, first and second quality, sprinkled; *cameleon*, *woollen*.

97 **SCHUPPER & ZUMMERMANN**, Glauchau, Mann.—Worsted stuffs. Metaline; *Malpomona*, all wool, and half silk; *Aqualine*; *Castiglione*; *Montauban*; *Metaline*, half silk.

98 **TRINK, E.** Glauchau, Mann.—Stuffs: wool, and wool and cotton mixed. Robes, Florida, and façonnée. Lama für ladies' cloaks. Robes popeline; façonnées, and striped; imitée.

99 **STRASS & LEOSCHNER**, Glauchau (Agents, H. Oppenheim & Co. 15 Adde St.), Mann.—Fine worsted goods. All worsted, gros, mixed, Montpensier, thread warp, worsted

weft. Lama, made with thread warp and woollen weft, and with silk warp and worsted weft.

100 **THE WEAVERS' SCHOOL**, Glauchau.—Stuffs; wool, and wool and cotton; robe jaquard; châles, or shawls, woollen and silk. Specimens worked by the pupils of the institution, which is supported by the manufacturers of Glauchau.

101 **GRUESER, F. W.** Glauchau.—Woollen stuffs (worsted stuff yarns); Thibets, superfine quality, different colours. Dyed by the exhibitor.

102 **GRAVE, J. F. & SON**, Meerane, Mann.—Woollen and half-woollen fancy stuffs: *Montpensier*, *Cachemirienne*, *Pialda*, first and second quality. *Châles*, *damasés*.

103 **DIETRICH & STRAFF**, Meerane, Mann.—Worsted woollen fancy stuffs; and mixed tartan, *Cachemirienne*, *Montpensier*, *Odéon* checks, and satiné.

104 **RICHNER, H. L.** Meerane (Agent, A. Heintzmann, 16 Colebrook Row, Islington), Mann.—Half woollen stuffs: *Angora*, mixed with silk. *Montpensier*. *Napolitains*, first and second quality. *Muslin d'Ecosse*.

105 **GLAFET & NUBARTS**, Reichenbach, Mann.—Woollen stuffs and printed covers. Table-cover of cloth and *Circassienne*, printed flannel. Atlas. Superfine woollen atlas, made from soft wool yarn, by *Petzold* and *Ehret*.

106 **SEYFERTZ, J. & Co.** Reichenbach, Mann.—Woollen fancy stuffs and printed shawls; *Cachemire*, *Lama*, *Victoria* shawls, printed in different colours and patterns.

107 **LEHMANN, C. G.** Boehrigen, near Roswein (Agents, Gottschalk & Schroeder, 73 Basinghall St.), Mann.—Woollen and mixed stuffs: *Llama* flannels of different colours, and plaid patterns for mantles; buckskin, entirely woollen; molton, pepper and salt; swan-skin for shirts and chemisettes, with cotton warp; base, with cotton warp, for petticoats, striped, quarried, and striped with borders.

108 **BOETTIGER, H. G. F.** Crimmitschau, Mann.—Woollen stuffs, viz. *cassinet*, green, blue, brown, black, and mixed. *Trioot* oora. *Double cassinet* black; and mixed. *Cachemire*.

109 **BURKHART, H. T.** Crimmitschau, Mann.—Woollen stuffs. *Winter* and *summer* elastics, and *cassinet*.

110 **COLLEK, F.** Crimmitschau, Mann.—Woollen stuffs: *cassinet*, *summer* satin, and *winter* buckskin.

111 **HUEPFER, H.** Crimmitschau, Mann.—Woollen fancy stuffs for *paletots* and *trousers*. Buckskin of various qualities, for the summer. Grey and green *cassinets*.

112 **HELLING, O. & Co.** Crimmitschau, Mann.—Woollen stuffs; *summer* and *winter* elastics.

113 **KIRSTEN, C. W.** Crimmitschau, Mann.—Woollen stuffs: *cassinet*, and *summer* buckskin.

114 **KAUFMANN, C. H. & SON**, Crimmitschau, Mann.—Woollen stuffs. *Zephyr*, deep scarlet; *summer*; *paletot*; *winter* and *summer* elastics; *summer* satin, and *cassinet*.

115 **MÜLLER & Co.** Crimmitschau, Mann.—Woollen stuffs; *summer* and *winter* buckskin.

116 **OSLER, BROTHERS**, Crimmitschau, Mann.—Woollen stuffs. *Cassinet* of different colours; *back* *doeskin* *satinet*, *drab* colour; *glacé*.

117 **SPENGLER, C. jun.** Crimmitschau, Mann.—Woollen stuffs. *Winter* buckskin.

118 **MATTHESS, C. jun.** Zschopau, Mann.—*Cassinet*, woven on power-looms. The manufacture of damask and figured woven goods, mixed of cotton, wool and silk, occupies many thousand hand and Jacquard looms in Chemnitz and neighbourhood.

119 **ZACHILL, F. & Co.** Grossenhain, Mann.—Buckskin, of various patterns. *Satin*, black, of different prices. *Doeskin*, light blue.

120 **SCHNEKER, F. H.** Oschatz, Mann.—Woollen fancy stuffs: *Satin* grey, bronze, and green; *cassimer*, bronze and olive; *Duffel* cloth, black; *black* *satin*. The pieces, No. 1267, 1250, and B 99, are made by C. F. Kunze, Oschatz.

- 121 **BERNHARD, W. Leisnig, Mann.**—Woollen stuff, buckskin for paletots and great coats, caimita, great-coats, &c.
- 122 **HERMANN, F. G. & Son, Bischofswerda, Mann.**—Coloured cloths of finest quality. Black cloth of fine quality.
- 123 **KOBELICH, H. M. Bischofswerda, Mann.**—Cloths of thin quality: olive, bronza, and invisible.
- 124 **GROSMANN, C. G. Bischofswerda, Mann.**—Superfine cloth: black, clare bronza, olive, dark bronza, dark green, clare green, and blue.
- 125 **GROSMAN, BROTHERS, Bischofswerda, Dresden, and New York, Mann.**—Cloth for the United States' market, in eleven different qualities and colours, woven by E. H. Bernhardt, at Leisnig, dressed and made up by the exhibitors.
- 126 **MEISSNER, T. Bischofswerda, Mann.**—Cloths of a fine black.
- 127 **MORRITT, C. G. E. Bautzen, Mann.**—Cloths, coloured and unfinished. A tableau showing the whole process of cloth manufacture, from the raw wool to the finished cloth.
- 128 **FIELDER, A. D. G. Oederan (Agent, C. Holland, 41 Finsbury Circus), Mann.**—Fine black cloth, and light cloth for summer coats.
- 129 **MEISSNER, F. T. Grossenhain, Mann.**—Cloths, thin black; coloured, olive and blue; thick, black and bronza.
- 130 **MEISSNER, F. A. Grossenhain, Mann.**—Cloth, black, brown, and green; best and middling qualities.
- 131 **JUNGHAUS, I. G. Grossenhain, Mann.**—Cloths, black and coloured, of different prices.
- 132 **CASFARI, I. F. Grossenhain, Mann.**—Cloth: black, blue-green, wool-black, and bronza.
- 133 **BOCHWALD, K. Grossenhain, Mann.**—Black cloth, of middle quality.
- 134 **JAEHNIG, W. Grossenhain, Mann.**—Cloths: black, brown, and blue.
- 135 **FRIBERICH, ERNE, & Son, Grossenhain, Mann.**—Various cloths: thick and thin black.
- 136 **MEISSNER, E. Grossenhain, Mann.**—Cloth, pensée and blue.
- 137 **MEISSNER, M. Grossenhain, Mann.**—Cloth, green and olive.
- 138 **ZSCHILLE BROTHERS, Grossenhain, Mann.**—Cloth, first quality, blue and black; second, green and black; thin cloth, for the United States' Market, black and coloured.
- 139 **HERMANN, J. W. Leisnig, Mann.**—Cloths of different qualities.
- 140 **REICHEL, C. F. Rosswain, Mann.**—Coloured cloths: dahlia, pensée, green, olive, bronza, scarlet, mineral blue, and black.
- 141 **PERZOLD, F. Lengenfeld, Mann.**—Black cloth.
- 142 **WOLF, C. A. Kirchberg, Mann.**—Cloth of different qualities and prices: crimson, scarlet, blue, and black.
- 143 **WOLF, J. G. sen. Kirchberg, Mann.**—Cloths: black, scarlet, crimson, various qualities.
- 144 **WOLFF, F. Kirchberg, Mann.**—Woollen cloth: crimson, Turkey red, or deep scarlet, and chemie blue.
- 145 **SUNGER, C. F. Kirchberg, Mann.**—Cloths: scarlet, black, mixed, indigo blue, dark green, kail blue.
- 146 **UNGER, C. G. Kirchberg, Mann.**—Cloths, of common quality, different prices.
- 147 **KRAUSE, F. W. Grossenhain, Mann.**—Printed woollen stuff for waistcoats: chemie blue, scarlet with black, and printed on coloured ground.
- 148 **BECK & HEYNA, Glauchau, Mann.**—Carpet articles: sofa-carpet with figures, carpet-bags, bow-pockets, and pockets with flaps and leather bottoms.
- 149 **BECK, HEYNA, Glauchau, Mann.**—Tapestry and carpet goods: upper parts of shoes, cut in the Turkish fashion; pockets for children.

- 150 **BATH, P. Leisnig, Mann.**—Ladies' bags. Velvet or velvetees, plain, embossed, with steel handles; with handles of mother-of-pearl. Hand-bags, embossed; velvet, with small artificial roses.
- 150a **TRUBNER, C. Rosswain, Mann.**—Ladies' pockets; interlaced work of saphyr worsted yarn.
- 151 **EMMERROCK & Co. Annaberg (Agent, C. H. Treibmann), Mann.**—Bed-laces: white linen and black worsted. Belts: half silk; ribbands with flattened gold and silver wire.
- 152 **HARTEL, E. Annaberg (Agents, C. Ehrensperger and Co. 4 Lawrence Pountney Pl. Cannon St.) Mann.**—Black silk laces, of different prices and qualities; thread laces, of modern and ancient patterns and style.
- 153 **HARTEL, BROTHERS, Annaberg (Agents, F. A. Hoffmann and Co.) Mann.**—Various fringes: sewing fringes, black silk; black mohair and coloured mohair.
- 154 **OSWEGO & SCHMIDT, Annaberg (Agents, J. Simonsen and Co.) Mann.**—Button-makers' productions. Strings for curtains. Curtain-holders of cotton, half silk and wool; loops for curtains; tassels for curtains.
- 155 **ULLMANN'S Widow & JUNKER, Annaberg, Mann.**—Button-makers' productions: ladies' buttons, with and without tassels; strings for ladies' robes, with tassels; tassels for pipes; a garniture of insertion for ladies' robes; tassels for furniture; loops for cloaks and manteaux.
- 156 **SCHUBERT, Mrs. Annaberg.**—Worked table-cover, on net lace, after designs invented and drawn by Mrs. Schubert.
- 157 **MUEHLENDORFER, C. F. Annaberg.**—Button-makers' productions: twisted fringes of half silk, wool, and cotton; loops, half silk; chenille, all silk; mohair laces; India-rubber galleons, of silk, wool, and cotton.
- 158 **BACH, G. F. & Son, Buchholz (Agent, C. H. Treibmann), Mann.**—Fringes: white cotton, ball, coloured ball, half-silk bullion, half net, half sewing, sewing silk fringes; a large number of different patterns. Crêtes: half silk, worsted and cotton crêtes. Trimmings; half silk; sixty patterns. Exhibited for cheapness and execution.
- 159 **HELVING, HANS, Buchholz (Agents, Ullmann, Hirschhorn and Co.) Mann.**—Fringes: white sewing and ball fringes.
- 160 **HILDMANN, F. Sebnitz, Mann.**—Button-makers' productions: silk and half-silk buttons; cords and galleons, of silk and Ispahan, and of silk and genappe; rich silk buttons.
- 161 **ROELLER & HOWE, Leisnig, Mann.**—Oil cloths; floor cloths, partly varnished; and oiled fustian. The manufacture of oil cloths forms an important branch of Saxon industry, principally concentrated in Leisnig.
- 162 **QUAST, F. Leisnig, Mann.**—Oil cloth; oiled fustian; round table-covers; cornered table-covers; floor carpets double oiled.
- 163 **TRUBNER & Co. Leisnig (Agents, Gottschalk & Schroeder, 72 Basinghall St.) Mann.**—Oil cloth; floor cloth; piano-cover; table-covers; oil fustian, bronza, printed, and imitation of wood; table-mats; oil cloth, in imitation of marble and wood.
- 164 **GOERING & BOEHME, Leisnig, Mann.**—Oiled cloths, painted in gold and silver and in colours; round table-cover, of oiled fustian (tortoise-shell pattern); table-mats, floor cloth, linens and tickens for painters, and oiled cloths for hat-linings.
- 165 **BIENKEL, J. C. C. Dresden, Mann.**—Linens and tickens for painters, various lengths and colours. When extra width is wanted, the sewing is done in a way scarcely visible, and without injury to solidity.
- 166 **WEICKERT, J. D. Leisnig (Agent, C. Holland, 41 Finsbury Circus), Mann.**—Cloths for pianos; hammer cloth; damper cloth; red and green under-cloth.

167 MUEHL, A. Pirna, Mann.—Articles made of felt: Ladies' woollen shoes, fine; gentlemen's shoes of plain felt; gentlemen's and ladies' slippers.

168 FISCHER, C. F. A. Reutzen, Mann.—Specimens of paper: Plate paper, for stone and steel plates; printing paper; tissue paper, white and rose coloured; writing paper; drawing paper, worked on the endless machine, and sized with vegetable glue; vegetable paper, for counter-drawing; papers for documents, notes, and bank-notes. Gigantic millboard, for waggon manufactories.

168a HIRTZL, J. A. Dresden, Mann.—Seven tableaux, embroidered with hair and silk, on silk ground; viz., the portraits of Her Majesty of England and His Majesty of Saxony, the flags of all navies, &c.

169 GOSZKA, H. Leipzig, Mann.—Raw German hair, called Brabant hair, of various lengths and colours, including a woft of two yards and a half. Natural hair, completely purified and prepared for use, applicable for curls, &c. with specimens of the same hair dyed. Hair, artificially dressed. The exhibitor states that he employs more than seventy men in the preparation of human hair for sale.

170 KINDERMAN, A. Buchholz (Agent, C. H. Triebmann), Mann.—Papier-mâché: Groups of animals, various sizes and execution.

171 FEINTEL & SOH, Aue, near Schneeberg, Mann.—Snuff-boxes of tortoise-shell and metal, with paintings. Lady's box, with silver arabesques. Scottish boxes. Draught-board. Ivory box, with paintings.

172 ROCKHAUSEN, W. Johanneorgenstadt, Mann.—Fancy boxes, for toilet; travelling case, of rosewood; box for counters; boxes of mother-of-pearl; sugar-boxes, &c.

173 PAFERKITT, J. F. Dresden, Mann.—Saddlers' goods: Saddles in the English style, flat, wadded, and covered with hog's skin complete. Bridle: the leather being pierced, and the buckles covered with leather.

173a HAUBERMAN, L. Dresden, Mann.—A pair of complete horses' harness, with collars, brown round reins, counterholds, silver plated buckles, steel bridle. Three bridles, of different descriptions. Ten whips.

174 The ROYAL SAXON MANUFACTORY OF CHINA, Meissen (Apply to Dr. Seyffarth, Royal Commissioner for Saxony).—China: Royal blue vases, with portraits of Her Majesty the Queen of England and H. R. H. Prince Albert. Chandelier, with nine girandoles, coloured and gilt. Camelia, in its natural state and colour, standing in a pot. Vase, after Mr. Semper's design. Vase, on a pedestal, with figures after Watteau, with flowers and figures in relieve. Mirror frame, with similar figures, painted in colour, with flowers in relieve, richly gilt, with two girandoles. Vases, painted with flowers and bronzed. Figures: a flute-player and a girl playing the guitar, &c. Etagères. Dessert dishes and plates. Figure, a girl feeding doves. Fruit-basket. Tea-table appartences. Tableau, The Female Lace-worker. Six pieces with the armorial bearings of the kingdom of Saxony. Plate. Busts: Danaidé, after Mr. Rauch; King of Saxony; King of Prussia; Madonna; Socrates. Figure, Ganymedes, after Thorwaldsen. Shades. China vessels, for the use of chemists and apothecaries.

175 ADLER, C. Königsbrück, Mann.—Vessels of clay: Soup tureen, coffee-pots, flower-vases, tea-pot, and milk-pots. Specimens of children's playthings.

176 BOCKER, H. Dresden, Des. and Painter.—Paintings on china: Brooches of painted china, encased in bronze; small china paintings of various kinds, after classical pictures.

177 WALTHER, G. Dresden, Painter.—Enamel paintings on china, copies from classical originals.

178 BROCKHAUS, F. A. Leipzig, Mann.—Printed books: a collection of 356 volumes, all printed in the year 1850, in the office of the exhibitor; in elegant covers.

179 BARTH, J. A. Leipzig, Publisher.—Ornamental typographical works: Minstrels of Germany, edited by Herr Von der Hagen, printed on parchment; the vignettes, as well as the initials, painted in gold. Ancient Egypt, by Dr. Schwabe, printed in twenty-seven languages, being the first instance of Egyptian hieroglyphics having been executed in print; it has been done by means of more than 3,000 stamps cut for this purpose. Talmud Babli; Babylonian Talmud, in Hebrew, with German translation, and the commentaries of Raschi and Josephoth, by Dr. E. M. Pinner, vol. I. 1842.

180 HIRSCHFELD, J. B. Leipzig, Printer.—Products of the art of printing. A picture in polychromic print. Specimens of types.

181 MEINHOLD & SOHN, Dresden, Mann.—Four specimens of coloured printing.

182 SCHLAFER, G. Dresden, Inv. and Mann.—Products of a letter foundry: Complete set of the last specimens of printing types; music-book done with types cast and cut in English steel, in gilt frames; musical text-book, executed with types cast and cut in English steel, in a new style. Proof-sheet of printing with lately invented stenographic types, on Mr. Gabelberger's principle, in gilt frame.

183 JAHN, F. H. Dresden, Sculpt.—Engraving, with specimens of several engravers' work. Exhibited for execution.

184 The ROYAL SAXON MILITARY PLAN-OFFICE, Dresden.—The three first numbers of the engineers' map of the kingdom of Saxony. Exhibited for execution.

185 KIEFF, T. Leipzig.—A relievo, in ivory (portraits of Clara and Robert Schumann).

186 REIBSCHNEL, ERNST, Prof. M.R.A.F.A. Dresden.—Sculptures: The Christangel, relievo, Carrarian marble; Cupid mounted on the back of a panther, relievo, Carrarian marble. Maria kneeling at the dead body of Jesus Christ, full-size group, in plaster of Paris.

187 BERTSCH, G. Dresden, Mann.—Three electrotype copies of classical shields.

188 KUNGLER, H. Dresden.—Signet, in form of a vase ground out of a piece of rock-crystal.

4. WURTEMBERGH.

(Agents in London, Messrs. BRAND & SCHIEDMAYER, 6 Pinner's Hall, Old Broad St. City.)

1 ZELLER, F. Neckarthalbningen, Stuttgart.—Specimens of stone from the quarries of the exhibitor, adapted for millstones.

2 BOHLE & SOHN, Boeblingen, Mann.—Kreosots. Hydroiodinic potash, &c.

3 BREUNINGER & SOHN, Kirchheim, Teck, Mann.—Ultramarine. Exhibited for colour and cheapness.

4 JOMER, F. Stuttgart, Mann.—Salphate and other compounds of quinine; pure kali hydroiodinic.

5 LEUBER BROTHERS, Uhm, Mann.—Hydraulic chalk cement, which quickly hardens under water.

6 SINDLE, H. Stuttgart, Mann.—Carmine, Munich carmine, lac, madder-lac, and azure colours; and a yellow innocuous colour for confectioners.

7 ABE, F. Esslingen, Mann.—Yellow colour, innocuous, and adapted for the use of confectioners.

8 BAZOWING, F. Mohringen, Stuttgart, Prod.—Dried bilberries.

9 SCHMIDT, W. Calmbach, Prod.—Dried bilberries.

10 FRUCKER, C. Kirchheim, Prod.—Dried plums, pears, apples, prunes, and cherries without stones.

- 11 **NOSENLEINER, PROEMMER, Hohenheim, Stuttgart.**—Collection of various woods, showing the nature of their fibre. Collections of insects, especially those which infest the fields.
- 12 **SCHOTTLE, G. J. Kbhansen, Nagold, Mann.**—A beak, or flax comb.
- 13 **WOLFF, F. A. Hilbronn, Mann.**—Steam-distilling apparatus for fluids, with new refrigerator. Distilling and cooking apparatus, for the use of chemists and others. Apparatus for soldering lead by means of atmospheric air and hydrogen gas; with specimens. Graduated vessels, for measuring fluids.
- 14 **KOHL, G. H. Stuttgart, Mann.**—Gilt sabre, with modern ornaments. Roman sword. Gilt cutlasses and daggers, in various styles.
- 15 **ROYAL GUN MANUFACTORY, Oberndorf.**—Gun for infantry, rifle with bayonet, and common rifle, made of cast steel.
- 16 **HALLER, F. Schweningen, Mann.**—Dutch clocks with weights, of various sizes; alarm clocks, &c. Exhibited for cheapness.
- 17 **BACHER, A. Stuttgart, Mann.**—A novel escapement for watches, without a balance-wheel; a watch on this principle. Seconds' watch, with compensating escapement and maintaining power, without distinct second-work. A week-going seconds' watch, with five wheels only. Watch, of ivory. Watch with lever escapement, working on a plate of steel. Chronograph, on a new principle.
- 18 **HOLCH, W. Hall, Mann.**—Regulator, going eight days, in mahogany case, with silvered dial, and jewelled escapement.
- 19 **STOSS, V. Ulm, Mann.**—Patent small church-clock, striking hours and quarters, with a new escapement, intended to prevent wind and bad weather from injuring its hands. An eight-day clock.
- 20 **DIEBOWNS & BLANKE, Stuttgart, Mann.**—Grand pianoforte, with double action. Cottage pianoforte.
- 21 **DOMENZ, F. Stuttgart, Mann.**—Grand pianoforte, in rosewood. Square pianoforte.
- 22 **LIPP, R. R. Stuttgart, Mann.**—Square pianoforte; the hammers are fitted up with a new and more durable kind of felt, intended to assist in producing greater clearness of sound.
- 23 **SCHIEDMAYER & SOHN, Stuttgart, Inv. and Mann.**—Grand pianoforte, in rosewood, with newly-invented patent double action. Square pianoforte, in mahogany. Cottage pianoforte, in nut-wood, decorated and ornamented with original wood carvings.
- 24 **HELVERT, J. Stuttgart, Mann.**—Bassoon with nineteen keys, of improved construction.
- 25 **REKER, C. Stuttgart, Mann. and Inv.**—Pair of orchestra kettle-drums, tuned on a new plan. A large drum.
- 26 **KINZELBACH, T. Stuttgart, Mann.**—Improved diastimeter for the use of the army, with two parallel wires moveable at the same time, and at equal distances from the centre to the extent of the field of view, along a scale divided to minutes. Surveying cross, with a graduated limb and vernier reading to five minutes. Improved Wollaston's gonimeter, with an auxiliary glass for measuring off the angles of prisms and crystals. Silver hydrometer. Telescope, mounted equatorially, with divided arcs, &c.
- 27 **HECHT & ANOLD, Reutlingen, Mann.**—Toilinetts and valentins, exhibited for cheapness and quality.
- 28 **KOHL & SCHULZ, Kirchheim, Mann.**—Coloured cotton quiltings; green and blue cotton camelion; coloured canvas, gingham, and dimity bed stuff; white cotton tricot; green cotton umbrella stuff, and grey cotton stuff.
- 29 **WEGELE, J. J. Ludwigsburg, Mann.**—Quiltings and toilinetts of various patterns.
- 30 **SCHILL & WAGNER, Calw, Mann.**—Woolen cloths; black satin cloth; flannels of various qualities and colours.
- 31 **FISCHER, J. G. Reutlingen, Mann.**—Several specimens of woolen cloth, exhibited for dye.
- 32 **SCHMIDLER, A. Heitighelm, Mann.**—Woolen trouser stuff, for summer and winter wear. Worsted yarn, dyed and undyed.
- 33 **FARKE, C. Stuttgart, Mann.**—Damask linen table covers. Small desert napkins, with fringes. Brocaded tricoloured silk furniture stuffs, exhibited for quality.
- 34 **LAWO, A. F. Blaubeuren, Mann.**—Bleached linen, and linen handkerchiefs.
- 35 **MANUFACTORY OF LINEN YARN, Urach.**—Samples of linen yarn.
- 36 **SERMAN, C. & H. Stuttgart, Mann.**—Samples of bleached linen from machine yarn, made up in the Irish and Dutch style; unbleached linen drills; white linen drills and printed cambrics.
- 37 **BANTLIN, C. D. Reutlingen, Tanner.**—Specimens of calf leather; upper-leathers ready cut.
- 38 **ECKHARDT, F. M. Ulm, Mann.**—Black varnished leather, exhibited for quality and varnish.
- 39 **RECHWOLD, G. Stuttgart, Mann.**—Fancy leather goods: portfolios, books, albums, portmonnaies, cigar and letter cases, &c. Post paper, white and coloured. The name of the manufacturer is inserted by a patent contrivance for machine paper.
- 40 **SCHAEFFELER, G. Heilbronn, Mann.**—Coloured and white pasteboard. Tissue paper, white and coloured. Letter-paper, exhibited for quality.
- 41 **KAMMERER, C. Stuttgart, Mann.**—Portfolio, containing pasteboard for the use of painters, of rough and smooth surface.
- 42 **FAULMAYER & LEUBZ, Ulm, Chemical Factors.**—Rheumatic pitch-plaster.
- 43 **RÄUCH, BROTHERS, Heilbronn, Mann.**—Fancy paper, which, by a process newly invented by the exhibitors, is coloured differently on the two sides of a single sheet.
- 44 **VEHEL & Co. G. Stuttgart, Mann.**—Fancy paper, and enamelled cardboard.
- 45 **KOHLER, F. Goeppingen, Mann.**—Printed woolen vestings. Printed linen handkerchiefs.
- 46 **OTTO, H. Nürtingen, Mann.**—First, second, and extra Turkey-red yarn.
- 47 **ZAIS, W. Cannstadt, Mann.**—Turkey-red printed cotton goods, of various patterns.
- 48 **NEUBRONN & SOHN, Dietsheim, near Ulm, Mann.**—Embroidered curtains, in tasteful and elegant patterns.
- 49 **ROBECK, C. Nürtingen, near Teck.**—Cards, scolepe, and "entre deux." Knitting work.
- 50 **TANNER, T. Stuttgart, Des. and Inv.**—Designs for tapestry; printed furniture materials; and large carpets.
- 51 **VAN ZWENGER, DEYNER, & WEISS, Ravensburg, Mann.**—Curtains, white and red striped, and of embroidered net and muslin.
- 52 **HINA, HAAS, & Co. Schramberg, Mann.**—Knitted woolen hosiery, petticoats, hose, stockings, and shirts.
- 53 **REHM, F. F. Reutlingen, Mann.**—Woolen and cotton hosiery goods. Laces and collars, called "étornelles." Knitting work.
- 54 **BOELSTERLI, C. & Co. Stuttgart, Mann.**—Tools for the preparation and carving of wood.
- 55 **GOESEL, G. Stuttgart, Mann.**—Tools for the preparation of wood.
- 56 **DITTRICH, BROTHERS, Heilbronn, Mann.**—Patent razors and razor-strops. Penknives, paper-cutters. Wood, Circasian, Greek, and yataghan knives, daggers, hunting hangers, and stilettes. Garden knives and implements.
- 57 **HAUSEN & SOHN, Stuttgart, Mann.**—Scythes, used in various countries.
- 58 **BURKE, F. Ludwigsburg, Mann.**—Toys, representing various kinds of working utensils, in copper. Pastry moulds.

- 80 **STORNER, T. F.** Stuttgart, Mann.—Brass and steel wire; metal wire for the manufacture of paper; metal wire gauze; brass wire and horse-hair sieves.
- 81 **WAGNER, C.** Esslingen, Braier.—Coppersmiths' goods.
- 82 **REKER, C.** Stuttgart, Mann.—Brass and steel wire. Metal wire for the manufacture of paper. Metal wire gauze.
- 83 **ERNHARDT & SOHN, Gmund, Mann.**—Bronze chessmen. Game of chess, with fixable figures. Various useful and ornamental articles.
- 84 **FAHR & STEINHAUSER, Schramberg, Mann.**—Garnets, cut in various sizes and shapes.
- 85 **BRUCKMANN & SOHN, Heilbronn, Mann.**—Tea-kettle, coffee and tea pots, cream jugs, sugar-basins, trays, tea canister, fruit baskets and plates, salvers, stag-horn, sauce-pot, chandeliers, candlesticks, cups, &c.
- 86 **BROEKER, A.** Reidlingen, Mann.—Fruit-basket in wrought silver.
- 87 **LEHZ, C.** Gmund.—Silver spectacle frames.
- 88 **USCHTATZ & FAHR, Schramberg, Mann.**—Crockery ware. Flower-pots in black enamel. Fruit baskets or plates in green enamel. Table service, in white earthenware. Several tea-services, with prints, in black and blue colours.
- 89 **WASSEROTT, S.** Ravensburg, Inv. and Mann.—Gothic window. Gothic rosette, window, and monument, of terra cotta.
- 70 **WIRTH, T. F.** Stuttgart, Mann.—Dressing and writing table. Wardrobe, with carved ornaments, modelled by the exhibitor.
- 71 **DEFFNER, C.** Esslingen, Mann.—Iron flower table; cigar tray; writing case; thrift box; washing tub; sugar box; working baskets; chess-board; fruit baskets; pictures; and coffee trays. Bird cages. Silver plated speaking trumpet; and miscellaneous articles of hardware.
- 72 **BAU & Co.** Göppingen, Inv. and Mann.—Various articles of japanned tin-plate and papier-maché, several inlaid with mother-of-pearl, by a new process. Plated metal articles.
- 73 **ROHETSCH, C.** Stuttgart, Inv. and Mann.—Patent metallic writing slates. Prepared after a new invention by the exhibitor.
- 74 **VETTER & ERNO, Stuttgart, Mann.**—New gilt frames.
- 75 **LETTEMETER, T.** Stuttgart, Mann.—New gilt frames.
- 76 **ARELS & Co.** Stuttgart, Mann.—Snuff-boxes made of japanned papier-maché, with ornamental drawings, and inlaid with mother-of-pearl, gold, and silver.
- 77 **HELLER, C.** Stuttgart, Mann.—Gilt bas-relief of gypsum. Samples of gilt paper, &c.
- 78 **SEIGER, E.** Esslingen, Inv. and Mann.—New process for making bitumen mosaic work, exhibited for cheapness, resistance to damp, colour, and firmness.
- 79 **HAAS, F. P.** Schramberg, Prop.—Straw plaitings: hats, bennets, baskets, bands, fringes, tassels, &c.
- 80 **KLEIN, F. G.** Tübingen, Mann.—Cloth, hair, velvet, and Millard brushes; large brush for cloth manufacturers.
- 81 **KIEBER & Co.** Gaidorf, Mann.—Gothic tower, made of *Lignum vite*; the same in bone. Match-box of *Lignum vite*. Jewel-tray. Seals. Cane handles. Money-box. Bonnet and napkin rings.
- 82 **WITTECH, A.** KEMMEL & Co. Geislingen, Mann.—Bone and ivory toys for children. Fancy goods: cane-handles, brooches, baskets.
- 83 **SCHMIDT, F.** Geislingen, Inv. and Mann.—Fancy goods in bone and ivory; cane-handles, brooches, baskets, &c.
- 84 **WEKER, C. F.** Esslingen, Mann.—Handles and buttons for carvers in ivory, deer-horn, wood, and lead, with ornaments.
- 85 **STOLL, C.** Ulm, Mann.—Ivory fan, carved; bone fans. Carved ivory snuff-boxes, inlaid with tortoiseshell.
- 86 **WEBER, G. & Co.** Esslingen, Mann.—Fancy wooden boxes.
- 87 **BAUR, BROTHERS,** Biberach, Mann.—Pastils, and confectionery goods, tragacanth-flowers, and birds with real feathers, &c.
- 88 **GOLL BROTHERS,** Biberach, Mann.—Confectionery, &c.
- 89 **ROTH, W. jun.** Stuttgart, Mann.—Specimens of comfits, sugar-plums, bombons à liqueur, conserves, sugar devices, dragées, lozenges, chocolate.
- 90 **RIESS, F. H.** Gmund, Mann.—Wax ornaments, candles and tapers, baskets, flowers, cages, books, fruits, tea-cups, &c.
- 91 **TROUBLEK, G.** Ulm, Mann.—Lozenges and confectionery.
- 92 **HEDINGER, C.** Stuttgart, Mann.—Walking-sticks and canes, with engraved hooks and heads of ivory, buffalo, stag-horn, &c. Sticks and canes for umbrellas and parasols. Frames for umbrellas.
- 93 **SCHUMACHER, Bietigheim, near Stuttgart, Mann.**—Samples of artificial whet-stones, pumice-stones, and polishing powder, for the use of workers in wood, steel, &c. and for japanners.
- 94 **BLUMHARDT, H.** Stuttgart, Mann.—Toys made of japanned tin, lead, pewter, bronze, iron, and wood.
- 95 **ROMINGER, J.** Stuttgart, Mann.—Tin and glass toys.
- 96 **DIETRICH, C. F.** Ludwigsburg, Mann.—Kitchen, stable, and garden implements for children.
- 97 **KNOER & BACH, Stuttgart, Inv. and Mann.**—Dolls' houses, made of pasteboard.
- 98 **ROCK & GRAUER, Biberach, Mann.**—Toys of tin and iron plate, brass, and papier-maché; carriages, countries, mountains, chapels, hermitages, mills, ships, &c.
- 99 **REUSS, BAOTZKA, Stuttgart, Mann.**—Samples of stearine candles.
- 100 **SUTORIUS, C. F.** Gmund, Mann.—Samples of lucifer matches.
- 101 **LINDAUER, Miss E. L.** Stuttgart, Mann.—Artificial flowers.
- 102 **KUHN, J.** Ulm, Mann.—Lucifer-matches.
- 103 **VIKSHAUSER, G.** Ludwigsburg, Mann.—Artificial flowers.
- 104 **WAGNER, F.** Stuttgart, Builder.—Samples of whet-stones.
- 105 **VON HOFER, L.** Stuttgart, Sculptor.—Models of two large groups, representing the breaking-in of horses. Executed in Carrara marble, in the royal park of Stuttgart.
- 106 **HOLDEN, T. M.** Stuttgart, Inv. and Painter.—Pictures in miniature, painted on ivory by a new method.
- 107 **FLOUQUET, H.** Stuttgart, Prod.—Groups of stuffed animals and birds. A stag-hunt. Boar-baiting. Nests of birds of prey. Hawks pouncing upon owls, &c. Groups of domestic birds with their young, &c.
- 108 **WAGNER, T.** Stuttgart, Des. and Sculpt.—Statue, Magdalena, in Carrara marble.
- 109 **WEZEL, C. J.** Stuttgart, Des. and Prod.—Glass paintings, after Begas, Murillo, &c.

5. FRANKFORT-ON-THE-MAINE.

(Agent in London, M. ROEHLER, 39, Finsbury Square.)

1 **BROENNER, F. I.** Frankfort-on-the-Maine, Mann.—Cresote, pure, and refracting light powerfully. Pamphlet, containing specimens of printing inks.

- 2 BOSCH, P. A. Frankfort-on-the-Maine, Prod.—Rectified cognac oil, manufactured out of common gin, or thinned spirits.
- 3 ZIMMER, DR. C. MANU. (Agent, Boller & Co. 15 Union Ct. Old Broad St. London.)—Pure crystallised chindine. The sulphate of this alkaloid is contained in the sulphate of quinia, manufactured from the ordinary sorts of yellow bark; but it is only lately that it has been produced separately as a salt, and its properties satisfactorily ascertained.
- 4 MIROFFNO & Co. MANU.—Samples of snuff: Rapé de Paris; Rapé de Holland. Marino Marocco, coarse and fine.
- 5 BARTHEL, J. C. Frankfort-on-the-Maine, Inv.—Models of apparatus for the use of the blind, and for houses of correction and punishment. Apparatus to facilitate twisting of straw or rope. Apparatus for making straw and list carpets. Lace apparatus and chair for a blind man. Apparatus for making and tarring tow mats. Articles manufactured with the apparatus by the blind, under the direction of the exhibitor.
- 6 WEAKE & SCHULTHEIS, Frankfort-on-the-Maine, Prod.—Single and double-barrelled rifles.
- 7 ALBERT, J. W. Frankfort-on-the-Maine, MANU.—Daguerrotype apparatus, with double achromatic lenses 5½ inches in diameter; with specimens produced by it.
- 8 MEYER & SCHWARTZ, Frankfort-on-the-Maine, MANU.—Specimen of coloured cottons.
- 9 KOTT, C. W. MANU.—Enamelled, waxed, and brown calves' skins.
- 10 ROTH & SOHN, Frankfort-on-the-Maine.—Calf-skins, black on one side, brown, and varnished.
- 11 RUFF & BUCHHEIM, Frankfort-on-the-Maine, Prod.—Leather skins, soft and pliable.
- 12 HALDENBROCK, T. B. jun.—Specimens of black printers' ink.
- 13 BAUER & KREBS, MANU.—Specimens of letter-press printing. The German-text types cut after the concordance system (proportional size of letters) extensively introduced into Germany.
- 14 WUNST, C. L. Frankfort-on-the-Maine, Inv.—Playing cards, of various kinds.
- 15 VACONIUS, J. J. Frankfort-on-the-Maine, MANU.—Soft carpets, with border.
- 16 HOFFMAN, J. & SOHN, Frankfort-on-the-Maine.—Stove of Fayette, intended to combine the comforts of an open fire with the usual advantages of a stove.
- 17 JUNGE & WALTHER, Frankfort-on-the-Maine.—Gilt lustre, in the Grecian style.
- 18 RAAB, G. A. H. Frankfort-on-the-Maine, Prod.—Great key, exhibited for fine and difficult workmanship.
- 19 ZIMMERMANN, E. G. Frankfort-on-the-Maine, MANU.—Sundry articles in zinc and iron. Iron wire-work. Transparent plate. Watch, with white and red dials. Flower-pots.
- 20 GOLDSCHMIDT, M. jun. Frankfort-on-the-Maine.—Bracelet Brooch. Watch-hook. Ear-rings and chains of gold. Green in emerald with diamonds.
- 21 TACCHÉ, P. A. & Co. Frankfort-on-the-Maine.—Fountain of alabaster; glass with ornaments of gilded bronze; and a carcel lamp, for dining-room or orangery. Vases, with gold decorations, &c.
- 22 VOGELANG, I. & SOHN, Frankfort-on-the-Maine, Inv. and MANU.—Glass vases, coloured, cut, and gilt, viz: Flower and candelabra ornaments; pink glass plated with layers of alabaster, cut and gilt. Vases in alabaster glass, &c. Hook bottle, wine glass, and champagne glass, cut with ruby Gothic pattern, spiral engravings, &c. Tazza, candle lamps, scent bottles, &c.
- 23 ALBERT, J. V. jun. Frankfort-on-the-Maine, MANU.

- Moor's head conjuring toy, and German dolls, glass eyes, &c. Optical objects for the polarization of light. Crystals, models of precious stones. Chemical apparatus. Thermometers. Phenakistoscope, after Professor Müller, for explaining the theory of vibrations. Stereoscope, with drawings after Professor F. M. Hessemer, &c.
- 24 DRUMLER, F. Frankfort-on-the-Maine, Inv. and MANU.—Specimens of types of the German, Gothic, English, French, Russian, and Hebrew languages; ornaments, borders, &c. Types and ornaments of a new metallic composition; used by bookbinders.
- 25 ESK, NICHOLAS, Frankfort-on-the-Maine, MANU.—Wood brushes. Hair brushes.
- 26 GOUDA, P. F. Frankfort-on-the-Maine, MANU.—Work-boxes, tea-caddies, knitting boxes, ink-stands, ladies' desks, &c.
- 27 KOSMELER, J. Frankfort-on-the-Maine, Prod.—Tea-caddy, made of wood in imitation of German needlework.
- 28 WOHLFARTH, I. E. Frankfort-on-the-Maine.—Shoeb card. Writing desk. Diary; ruled paper.
- 29 DELECKHAUSEN, F. W. Frankfort-on-the-Maine.—Picturesque relief of the classical soil of Switzerland, and of the Alps of Switzerland and their boundaries. Incomplete specimens.
- 30 SCHWENNER, S. Frankfort-on-the-Maine.—Works and objects of the middle age, and renaissance, by C. Becker and S. von Hefner. Gothic A B C, or rules of the Gothic styles for artists and artisans, by Fred. Hoffstadt. Monuments of Roman architecture on the Rhine, by Geier and Gertz.
- 31 VANNI, A. Frankfort-on-the-Maine.—Group, Ariadne, on pedestal.
- 32 KREBS, G. L. Vox, Offenbach, near Frankfort-on-the-Maine, Prod.—Small statue of G. E. Lessing, produced in copper by electro-galvanism. The model by Professor Rietschel, of Dresden. Bas-relief, Amor upon a Panther. Cameo, lizard, snake, &c. moulded after nature.
- 33 STRAUCH, F. Prod.—Photography; and coloured photography.

6. GRAND DUCHY OF HESSE.

(Commissioner, M. HECTOR ROEMLER, 39 Finsbury Sq.)

- 1 BOCHNER, W. Darmstadt, MANU.—Specimens of ultramarine.
- 2 ROSENBERG & Co. Giessen, Prop.—Specimens of manganese ore, exhibiting a very perfect crystalline structure.
- 3 SALT and LEONITE WORKS at SALSHAUSEN.—Raw products: Earthy lignite, employed in the manufacture of salt; bituminous wood, employed in the manufacture of dressing-cases, &c.; and leaf lignite. Principal articles of manufacture: Lignite blocks (*Brannschweigskalz*); common salt; salt for manure (*Düngesalz*); salt scum (*Salzschlamm*).
- 4 BREIT, W. & Co. Giessen, Prop.—Specimens of manganese ore.
- 5 SALT WORKS at THEODORSHALLE, near KNEUENACHE.—Salt crystals, remarkable for their size: bottle of concentrated mother-lye (*Mutter-lauge*), containing bromine, iodine, and chloride of calcium and employed for baths.
- 6 LONGHAUS & VENATOR, Bauerkeller's Prägenstalt, Darmstadt, MANU.—Maps in relief and maps printed in colours: Geological map, in relief, of the Grand Duchy and Electorate of Hesse, with the Duchy of Nassau and bordering countries, by L. Ewald, secretary of the Geographical Society of Darmstadt. Geological map, in relief, of Wurttem-

berg, Baden, and the neighbouring countries, including the Palatinate and Alsacia, tinted in 30 colours, by L. Ewald; upon the same scale as the preceding map. *Bauerkeller's Hand-atlas*, by L. Ewald.

7 KOCH, F. Oppenheim, Mann.—Alkaloids, from Ferrugin bark, for medicinal purposes.

8 OENLÉN, C. Offenbach, Mann.—Samples of chemically pure croceotin, crystallized croceotin, coal, naphtha, resin, lamp black, Paris black, for copper-plate and lithographic printers, and for dyeing Spanish leather; pure crystallized sal-ammoniac.

9 BERNARD BROTHERS, Offenbach, Mann.—Samples of soap.

10 MEYER & LINDT, Spredlingen, Frankfort-on-Maine, Mann.—Samples of the finest wheat flour, meal groats, and rye flour.

11 MÜLLER, J. P. Offenbach, Mann.—Specimens of tobacco and cigars.

12 ZAHN & VOLBRECHT, Ruesselsheim, near Mentz, Mann.—Samples of chicoré, or German coffee.

13 THE CENTRAL BOARD OF AGRICULTURE for the GRAND DUCHY OF HESSE DARMSTADT.—Samples of agricultural products: Gomme, used in the preparation of soups; oak bark, used in the tanning of sole-leather. Tobacco leaves (*Deckblätter*), from Lorsch and Virnheim, near Mannheim. Models of agricultural implements, &c.:—The improved plough of the Bergstrasse; the Braunfels potato-mill, for crushing potatoes; sluices of wood and stone, for irrigation.

14 HOFMANN, G. W. Ingenheim, near Darmstadt, Mann.—Specimens of starch from potatoes. Dextrine, two sorts: Gemella in crystals, and in powder; glucose, used instead of gum-arabic; syrup of starch (*Thamensucker*), employed in the manufacture of beer and vinegar; white and brown sago. Starch from wheat (*Weizenstärke*), of four varieties.

15 APPEL, C. Griesheim, near Darmstadt.—Various sorts of forest, grass, and clover seeds.

16 MICHEL & MORELL, Mentz, Mann.—Black, for copper-plate printing, of different sorts. Lamp-black of various sorts, from pine, calcined. Varnish-black and real ivory-black. Paste-black, dissolved in liquid; vivid black. Paris black, black for blacking, Frankfort black, &c.

17 DICK & KIRSCHEN, Offenbach, Mann.—Phaeton, built chiefly of iron, for one or two horses; and patterns of three different axletrees.

18 DICKORF, A. Glessen, Gun-maker.—Rifle, 4 ft. 10 in. long, inlaid with gold and silver, with apparatus.

19 SCHUCHARD, H. Darmstadt, Mann.—Several patterns of hats; silk hats, with felt foundation; hat (and feather) of beaver and mink; glazed hats; officers' helmets, one being made out of a single piece of leather.

20 KUKERT, G. Darmstadt, Mann.—Mahogany grand pianoforte, of 64 octaves, with peculiar action.

21 MAURT, J. C. Offenbach, Mann.—Various helmets, military and other caps, in japanned felt and leather.

22 HUCH, H. C. Mentz, Mann.—Levelling instrument, with case and stand, furnished with an achromatic telescope, an object-glass of 1 inch diameter, and horizontal micrometer movement.

23 KLEIN, C. Mentz, Mann.—Alt vono, a small brass instrument; and an E flat clarinet; both with German-silver keys; F clarinet; B clarinet; B cornetto, of German-silver.

24 MÜLLER, C. A. Mentz, Mann.—Brass cornet-piston.

25 SCHORR, B. & SONS, Mentz, Mann.—Semi-grand pianoforte, in zebra-wood, 67 octaves.

26 SEIDEL, J. Mentz, Mann.—Clarionets of box-wood, mounted with ivory, with brass keys. Flutes and piccolo, of the same materials.

27 ARST, P. L. Michelstadt, Mann.—Specimens of woollen cloth.

28 MÖRSCHER, WINKENRIED & Co. Herrenhag, near Bädgingen, Mann.—An assortment of crochét woollen work, worsted gloves, &c.

29 LOHN, Steward of the Hospital of Schlitz, near Fulda, Mann.—Towels of different damask patterns, and damask table-cloths, with napkins.

30 V. STREUTZ, sen. Lauterbach, Mann.—Table-cloth and napkins, from flax yarn, spun by hand, and grass bleached.

31 ILM, BOEHM & PFALTZ, Offenbach, Mann.—Specimens of japanned leather.

32 HEYL, C. Worms, Mann.—Black japanned leather for boots and shoes.

33 DORR & REINHARD, Worms, Mann.—Japanned and enamelled calf-skins for shoemakers and furniture.

34 HELLMANN, J. Neckarsteinach, Inv. and Mann.—Patterns of leather for soles.

35 MAYER, PAUL, Mentz, Mann.—Half-brown hide, half-bridle hide, brown calf-skin, waxed calf-skin, and several boot legs and fore-shoes, manufactured from calf and horse hides.

36 MAYER, MICHEL, & DEWINGER, Mentz, Mann.—Japanned and enamelled hides, black, and in various colours, for saddle and coach work. Dyed calf-skins, morocco, roans, and split sheep-skins dyed. Black japanned calf-skins, enamelled goat and calf-skins, black and coloured. Japanned calf hides, hides for bridles, stirrups, and saddles.

37 MINOPKO & HORWITZBERG, Bingen, Mann.—Black japanned calf-skins; calf-skins with the hair, and heifer-skin. Sheet nettle-cloth, japanned. Pair of boots of japanned calf-leather.

38 FREUND, E. A. Offenbach, Mann.—Specimens of ornamental labels, embossed and enamelled cards and paper.

39 FROMMANN, M. Darmstadt, Mann.—Specimens of playing cards.

40 REUTER, W. Darmstadt, Mann.—An assortment of various descriptions and qualities of playing cards.

41 PETRI, J. Mentz, Mann.—Specimens of black for copperplate printers.

42 SCHNAPPER, H. L. Offenbach, Mann.—Various specimens of playing cards.

43 WENIG, J. B. Offenbach, Mann.—Specimens of coloured and marble paper.

44 WEST BROTHERS, Darmstadt, Mann.—Patterns of coloured and marble papers.

45 KERN, H., Mentz, Mann.—Various articles, ornamented with embroidery upon canvas.

46 ILM, F. Offenbach, Mann.—Several specimens of printed and painted oil-cloths for table covers, pianos, and the interior of railway carriages. Pieces of waxed oil-cloths.

47 SCHUMACHER, J. & SON, Shoemakers—Shoes, boots, slippers, &c.

48 WENIG, M. Mentz, Shoemaker—Assortment of gentlemen's boots.

49 REIZ, G. & Co. Mentz, Mann.—Camphine lamps, and improved camphine.

50 SEIZEN, A. R. Offenbach, Mann.—Assortment of fine cast-iron articles, black varnished and bronzed, viz., inkstands; night clocks and night-lamps, candelabra, and other ornaments.

51 SCHREGER, B. Darmstadt, Mann.—Articles of jewellery, manufactured in oxidized silver, with solid gold ornaments. Paper weights; bracelets; brooches; chains, &c.; breast pins; ornament for a walking-stick, with horses.

52 WAGNER, J. Mentz, Mann.—Pattern of mosaic pearl and other beads in all colours, and several ornamental objects in beads.

53 BOUTNER, P. Darmstadt, Mann.—Oval looking-glasses in gilt frame, the ornaments in composition; toilet-glass; the same, in velvet and gilt frame.

54 REINHARD, J. M. Ments, Mann.—Various patterns of straw chairs, with walnut-tree wood frames.

55 WUNDERLICH, J. H. Darmstadt, Mann.—Several gilt picture frames, and an assortment of frame patterns.

56 ANDER BROTHERS, Hirschhorn, near Heilbronn, Mann.—Patterns of walnut-tree veneers, from wood of the Odenwald.

57 GICK, J. G. Ments, Mann.—An assortment of basket work.

58 SCHMIDT, E. Darmstadt, Mann.—Spun coat and waistcoat buttons, made by hand.

59 ASSELA, F. C. Offenbach, Mann.—Specimens of purses, gold and silver lace, bullion, &c.

60 BERGS BROTHERS, Offenbach, Mann.—Specimens of cigar cases, leather purses, pocket-books, dressing cases, &c.

61 FRANK, J. G. Offenbach, Mann.—Varnished rattan walking canes, and snuff-boxes of papier-maché.

62 HAAS & Co. Offenbach, Mann.—A variety of pocket books, &c.

63 KLEIN, P. Offenbach, Mann.—Net purses, and other specimens of weaving, called "tricot."

64 KLEIN, J. G. sen. Offenbach, Mann.—Articles in leather, consisting of purses, cigar-cases, with or without steel bindings, paper and blotting-cases, &c.

65 LUTTENBERGER, A. Offenbach, Mann.—Specimens of pocket-books, cigar-cases, purses, &c.

66 MOEWEL, J. & Co. Offenbach, Mann.—Various patterns of tea caddies; cigar, card, counter, and work-boxes, in yellow and white varnished wood, with steel mountings.

67 NANNY, H. Bingen, Mann.—Large portfolio, in red morocco leather, with lock and key.

68 ROSE, F. A. Offenbach, Mann.—Net purses, and other specimens of "tricot" weaving.

69 SEIBEL & BROCKE, Offenbach, Mann.—Pocket-books of various descriptions, dressing-cases, albums, large writing portfolios, various leather purses and cigar-cases with steel bindings.

70 WEITRAUD, C. jun., Offenbach, Mann.—Assortment of cotton, half-silk and silk purses, made partly by hand and partly by machinery, ornamented with beads and mounted in steel.

71 BIRNFIELD, J. Darmstadt, Maker.—Specimens of wax flowers and fruit. Bunch of grapes with leaves, branches of apple trees; camelia branches.

72 DULCIUS, C. Bingen, Worker.—Embroidery, imitating engravings, executed with fine black silk upon white silk, with portraits of Queen Victoria and Prince Albert.

73 FELDING, H. Darmstadt, Printer.—Impressions from two landscapes by Abbema of Düsseldorf. One proof shows the engraving, printed in the ordinary manner; the other, what may be accomplished by the taste of the printer.

74 FRIEDRICH, F. H. Darmstadt, Carver.—Carvings in ivory and staghorn. Ivory goblet, sugar dish of cocoon, paper knives, cigar mouth pieces, brooches, &c.

75 HERR, C. W. Darmstadt, Carver.—Carvings in ivory. A colossal goblet, composed of three principal portions, stand, body, and cover. Ivory carvings, for needle and ball books; paper weights, snuff-boxes, bracelets, paper knives, brooches, heads for walking-sticks, riding-whips, &c.

76 SCHIFFMANN, L. Bingen, Mann.—Specimens of stained glass.

77 SCHROEDER, J. Darmstadt, Mann.—Geometrical and other models. Models of joinings in wood and of roof joinings. Patterns of roof and other mouldings. Models of crystals, according to Dr. Kopp. Model of a window frame, spiral staircase, several drawing instruments.

78 ZAHNER, T. Ments, Printer.—Several specimens of typography, executed by the printing press.

79 DUMMER, P. Ments, Mann.—Patterns of several articles manufactured of fur, and used for clothing.

80 BARON KLEIN, Ments, Inv.—Choreographical apparatus.

81 STRUB & SCHROEDER, Ments, Prod.—Several specimens of hops.

7. LUXEMBURG.

1 GOSCHAU BROTHERS, Schleifmühl, Mann.—Book-skins and limes cloth.

2 LAMONT, J. Luxembourg, Mann.—Paper hangings, variously coloured and gilded.

3 WENZER, F. Luxembourg, Mann.—Hunting boots. Shoes and boots, with single and double soles.

4 GASTREUX FRANÇOIS, DE L'UNION, Luxembourg, Mann.—Kid and lamb skin gloves. White and coloured kid and lamb skins. Gold, bronzed, and black glazed kid skins.

5 BOCK, J. F. Luxembourg.—Mosaic pavements, composed of very small bricks of baked clay.

8. NASSAU.

1 The GOVERNMENT ENGINEERS of MINES—(in the Name of the Mining Proprietors.)

Grey copper ore (*Fahle z*), containing from 4 to 16 ounces of silver in the cwt. The grey copper ore is found united with lead ore in greater or less quantity, on which partly depends the quantity of silver contained in the smelted lead.

Lead ore; sulphuret of lead, containing from 1 to 2 ounces of silver in the cwt.; by the admixture of grey copper ore, a larger quantity of silver is obtained. The mines of lead ore in Nassau are in general of old date, but many veins are yet to be tried, or to be opened to a greater depth. Carbonate of lead, the result of oxidation in the upper and middle parts of the veins, containing sulphuret of lead. The quantity of silver in this carbonate of lead is not inconsiderable. The mines are near Oberlahnstein and Ems. Phosphate of lead, found in combination with carbonate of lead. Remarkable for its crystallization. From the lead mine near Ems.

Copper ore; from Dillenberg, copper pyrites, containing 30 per cent. of copper. The copper of Nassau is of the best quality, but the quantity produced is, at present, not considerable. Engines for draining the deeper mines are about being erected. (Kupferindlg), sulphuret of copper (66 per cent.); found associated with copper pyrites. Ferruginous red oxide of copper with malachite (green carbonate of copper); the produce of oxidation in the upper part of the copper veins.

Zinc ore, sulphuret of zinc. This ore fills part of the lead veins, and is used of late years for producing zinc metal only.

Manganese ore, pyrolusite (the greatest part) and psilomelane, *peroxide of manganese*. District of Lahn. The mines of manganese ore in Nassau have been opened chiefly within the last 15 years, and yield a vast produce. The quantity raised every year is above 20,000 tons English, and is exported to all quarters of the world. 1,200 persons are employed in the mines and washing-mills. The manganese ore is used for extracting chlorine in the manufacture of

oda from common salt; for glazing in potteries; for whitening glass, &c.

Iron ore, red hematite, red oxide of iron. The red hematite is raised in numerous mines, in very great quantity; it yields iron of superior quality, in the high furnaces of Nassau, worked with charcoal. This iron ore is also exported to the coal districts of Germany and to France, for the purpose of improving iron. From 1,500,000 to 2,000,000 cwts. of iron ore are raised every year, of which the half is smelted in Nassau. Part of the iron ore contains calcespar, and is used in that state as the best admixture for smelting. Magnetic iron ore, oxydulated iron. This ore is found united with red hematite. Hydrous oxide of iron, brown hematite—*stüweosiderit*. This ore is found in Nassau in great quantities; it is chiefly worked for exportation, and is used especially for producing hard steel-iron. Spathose iron; from Hachenburg. There are only a few mines of spathose iron in Nassau, near the Prussian country of Hagen; the ore, and the steel produced from it are esteemed.

Bituminous coal; lignite—of remarkable wood-like character, covering a space of about 100 English square miles; used in Nassau and the neighbouring countries as the principal household fuel. For technical uses the lignite is valuable. At present the yearly produce amounts to 1,200,000 cwts. but the quantity which can be raised is incalculable.

Slates. The mines of slates in Nassau near the Rhine and Lahn are of good quality.

Heavy Spar, *sulphate of barytes*. Formerly not worked in great quantities, but new discoveries of rich veins promise a considerable produce. The heavy spar is used as the basis for many sorts of colours, in order to give them more body. White lead is very commonly adulterated with heavy spar. The heavy spar is also used in potteries for glazing, and mixing with clay.

Fuller's earth. In some parts of the country worked for a long period. Extensive deposits have been recently found in other districts.

Potter's clay, and coloured earth; Ochra. Nassau is very rich in potter's clay, of the best quality; it is partly exported in a raw state under the name of Valender clay. The manufacture of earthenware in Nassau is susceptible of greater development; a great drawback hitherto having been the cost of fuel. These clays are manufactured into stone-ware crusts, pots, cans, jugs, and hydraulic pipes of great solidity. There are also some manufactories of Fayence and fine potter ware, clay tobacco pipes, and common earthenware.

Samples of stone-ware, to show its mass. This stone-ware is extremely cheap, and is exported in great quantities.

Iron. Samples of pig, cast, and bar-iron. Grey tender pig, or cast-iron, with specimens of slags and artificial plumbago. White hard pig and cast-iron. Pits of cast-iron, direct from the high furnace. Samples of cast-iron bars, 3 feet long and 1 inch square, broken by bending them in the middle to an inch from the straight direction. Samples of bar-iron from the puddling process, once refined. The bars rolled and bent in right angles, and perforated by ham-

mering, all in cold temperature. Samples 2½ inches broad, and ¾ inch thick, worked on edge with hammers of 13 lbs. weight, without showing any cracks. Iron-bar, bent in right angle in warm temperature, the one and forged to show the sinew texture. Samples, bent till breaking. Iron axle (with box of cast-iron), bent in cold temperature.

Nickel metal, and compositions of it. The nickel metal is found in combination with sulphur, and mixed with iron and copper pyrites. The separation of the metal is now performed, not by smelting, but by solution in acids. Nickel metal, in cubes, as it is brought to market, 97.5 per cent. of nickel, .5 per cent. copper, .9 per cent. of iron, 1.1 per cent. refuse and loss. German silver, bar, polished on one side, (composition, 8 copper, 3 nickel, 3½ zinc); and plate, polished on one side (composition, 8 copper, 3 nickel, 6½ zinc).

Combination of arsenic, nickel, and copper with sulphur and a small portion of iron, the produce of the smelting process. In the mines 7,000 hands are occupied, and 2,000 more at the smelting works, or, in all, 9,000. The population existing immediately from the mining industry is, therefore, equal to 45,000, or the tenth part of the whole population of Nassau.

Specimens of clay tobacco-pipes: exhibited for the cheapness of produce, and to show the quality of the pipe-clay. Specimens of ochre and earth colours.

Specimens of marble. The marble of Nassau forms part of the transition rocks of that country. This marble of different tints,—red, black, yellow, and grey,—is worked in manufactories and single workshops in the country near Lahn. Monuments, columns, vases, chimney-pieces, &c. are made of it.

2 LEICHER, A. Wiesbaden, Mann.—Samples of potter's clay. Articles manufactured of the clay. Column and vases, to show the quality of the material, and the style of workmanship.

3 ROHR, FRIEDRICH, Wiesbaden, Mann.—Samples of ultra-marine, free from poison or any admixture of other colouring substances.

4 HECKEL, T. A. Biebrich, Mann.—Clarionets and bassoon, of new and improved construction.

5 WINGRUDER BROTHERS, Hoehr. — Assortment of clay tobacco-pipes.

6 MULLENRACH & TREWALD, Hoehr.—Clay tobacco-pipes.

7 MONTAG, L. & C. Comb-maker, Wiesbaden, Mann.—Basket of black Buffalo horn, inlaid with white Brazilian horn.

8 BRESTER, J. VAN, Wiesbaden, Artist.—Models of fruit, embossed in wax.

9 GRIMMAR, T. & Co. Wiesbaden, Mann.—Gun-press, overlaid with stag-horn, the ornaments in ivory, 7 ft. high, 4 ft. broad, and 1½ ft. deep. Cup in ivory, 1½ ft. high, 6 ft. diameter: "Christ blessing the children." Brooches in ivory, of various designs. Bracelets in ivory, of seven links, representing figures of game. Porte-monnaie; paper-knives; letter-case, and letter-weights.

GREECE.

(Commission in London, P. RALIZ, Esq., President, and P. D. SCARAMANGA, Secy, 25 Finsbury Circus; Agent: Mr. C. J. MAJOR, 21 Billiter St.)

- 1 ZAFIRAKIS, Z. Gythium, Laconia.—Valonia, the dried cups of the *Quercus Agilops*, used for tanning.
- 2 SOFRIANOS, A. Zea.—Valonia.
- 3 MALANDRINOS, A. Athens, Prod.—Madder root for dye.
- 4 PHILLIPPOS, G. Eubosa, Prod.—Madder root for dye.
- 5 PERIPOULOS, C. Tripolitza, Arcadia.—Kermes, used as a red dye, particularly for fesses (red caps); gathered in different parts of Greece.
- 6 LONDOS, A. Patras, Prod.—Currants, the stock of which was not slit.
- 7 INGLAMEN, N. Santorin, Prod.—Raisins, light coloured, dipped in hot water and dried. The same simply dried.
- 8 PEROTIS, G. Messenia, Prod.—Five strings of figs. Figs in box.
- 9 ATHANASIOU, D. Lemna, Prod.—Tobacco.
- 10 LAFAS, D. Livadia, Prod.—Sample of tobacco.
- 11 CACOULIDIS, J. Lígourion, Argolis, Prod.—Sample of tobacco.
- 12 PAVLIDES, B. Gulf of Neuplia.—Sponges.
- 13 THTHIMBAKOS, A. Athens, Prod.—A jar of honey from Mount Hymettus. Honey in the comb.
- 14 BISHOP OF EUBOIA, Carysto, Eubosa, Prod.—A jar of honey of Carysto, called rhodomeli.

THE GREEK GOVERNMENT.

- 15 MILS.—Two pieces of steatite or soapstone (French chalk); used for taking out spots of oil, grease, &c. from cloth, silks, and other fabrics.
- 16 Box of terra cimolia (*Cimotte*).
- 17 Box of iron ore, soft, and of a light-red colour, used as a pigment.
- 18 Three pieces of grinding-stone, or mill-stone. This stone is light and hard; being chiefly quartz.
- 19 Piece of native sulphur.
- 20 *Naxos*.—Box of emery; used in cutting, grinding, and polishing.
- 21 BONDOURIS, B. Limni, Eubosa, Prop.—Carbonate of magnesia; white, and pure; it contains 44 per cent. magnesia, 46 per cent. carbonic acid, &c., is used for the manufacture of pure magnesia and Epsom salts; and in making bricks for furnaces.

THE GREEK GOVERNMENT.

- 22 Santorin.—Specimens of puzosolana. This material has the same properties as the Italian puzosolana; it is much used for building aqueducts, &c.
- 23 *Thessa*.—Meerschaaum (*écume de mer*).
- 24 *Messina*.—Piece of lithographic stone. Pieces are found as large as 6 ft. 6 in. cube.
- 25 MALAKATHEI, J. Tinos, Prop.—Two pieces of marble; one white; one blackish.
- 26 *Sciros*.—Piece of white marble.
- 27 Sparta.—Piece of marble capable of receiving polish, and exhibiting a variety of colours.
- 28 Piece of marble with reddish sky-blue green spots.
- 29 *Arcopolis*.—Piece of grey marble from Cape Tenarus.
- 30 *Damaristia, South Manna*.—A piece of marble with grey spots, having the appearance of white clouds.
- 31 *Pewri*.—Piece of variegated marble; the ground is smethyst, with well-marked yellow veins.
- 32, *Pyrgara*.—One piece of greyish-coloured marble.

- 33 *Nyphi*.—One piece of white marble.
- 34 *St. John*.—One piece of marble breccia; a variegated marble, the principal colour of which is violet.
- 35 One piece of marble, white, with yellow almond spots.
- 36 *St. Elias*.—One piece of greenish marble.
- 37 One piece of marble, with various shades of colour and veins.
- 38 *Carysto*.—One piece of Cipolino marble (*Marmorum Carystum Cipolinum*), from the quarry which produced the marble for the columns of Antoninus and Faustina, in Rome.
- 39 *Sestari*.—Three pieces of the marble called Bomo Antico, used by the ancients for sculpture and architecture.

CLEANTEM, S. Paros (Island), Imp.

- 40 Piece of white marble.
- 41 Two pieces of marble, called Lichnites by the ancient Greeks. This marble is transparent, white and fine-grained.
- 42 Specimen of flesh-coloured marble, Lichnites.
- THE GREEK GOVERNMENT.
- 43 *Crotes*.—One piece of marble, commonly called "porfido serpentino."
- 44 One piece of green marble, known under the name of "porfido verde."
- 45 The PRIOR of the MONASTERY, Pentelicon, Prop.—One piece of white marble of the kind used for the Parthenon and statues of old. Used also in modern building.
- THE GREEK GOVERNMENT.
- 46 Piece of green porphyry; used in architecture.
- 47 *Tripolitza*.—Piece of black marble.
- 48 The PRIOR of the MONASTERY, Hymettus, Prop.—Piece of marble found near Athens in Mount Hymettus.
- 49 THE GREEK GOVERNMENT, Patialia (Island).—Piece of marble alabaster.

- 50 RALLI, L. Piræus of Athens, Mann.—Specimens of yellow and white silk.
- 51 PANTAZOPOULOS, A. Calamata (Messenia), Mann.—Hank of silk, prepared according to the Italian method; the same, prepared according to the old method, used for fine woven silks; another, used for sewing and embroidery.
- 52 PITTOULES, N. Sparta, Mann.—Hank of silk, prepared according to the Italian method.
- 53 COSTANTOULACH, —, Hydra, Mann.—Silk sashes, worn by the seamen of Greece.
- 54 The NUNS of St. CONSTANTINE, St. Constantine's Convent, Mann.—Silk musquito curtains. Silk handkerchiefs.

- 55 CALOTAS, P. Syta, Mann.—Leather, bullock hide.
- 56 HARRIS & RENGOS, Athens, Mann.—Palico dress, embroidered in gold, and consisting of doulama, fermeli (upper jacket); pair of gaiters; pair of silk garters; fess, with gold tassels; silk sash; fustanella; shirt; pair of trousers; and pair of red morocco shoes.
- 57 COWCOS, G. Patras, Mann.—Liquorice juice.
- 58 JOHN, A. Cumi, Mann.—Ladies' scarfs.
- 59 TRIANDAPHYLLOS, the Rev. Athens, Desig. and Artist.—The Cross, and the Annunciation of the Virgin. Both carved after the old Byzantine style.
- 60 VITALIS, L. Athens.—Bas-relief of Pentelicon marble, representing a small portion of the frieze of the Parthenon, in half scale of the original.
- 61 VITALIS, G. Athens.—Bas-relief of Parian marble, representing a small portion of the frieze of the Parthenon, in half scale of the original.

HAMBURGH.

(Agent in London, M. FIEGHEIM, 14 Tavistock St.)

- 1 MEYER, T. W.—Specimens of manganese ore.
- 2 HILDEBRANDT, C. G.—Glassiers' writing diamonds.
- 3 REISING, H. B.—Samples of refined sugar.
- 4 WAGNER, J. C. L.—Samples of refined sugar.
- 5 PETERSON, JOHN.—Oil-cakes.
- 6 REYNOLD, A. & G.—Fire-engine.
- 7 CROSMAN & LAURENSTEIN.—Fashionable carriage.
- 8 FRIEDRICHEN, K. A.—Blocks for ships.
- 9 BUTE, T. C. & SON, Cuxhaven.—A brig and barque, with drawings.
- 10 NIEBERG, J. L.—Constant pendulum clock.
- 11 BÄCKING, W.—Electro-magnetical pendulum clock; clock with half-second pendulum.
- 12 BAUNGARTEN & HALES.—Horizontal pianoforte.
- 13 SCHRODER, C. H.—Horizontal pianoforte.
- 14 RUMMS, H.—Upright pianoforte (piccolo).
- 15 CÄLLER, F. & SON.—Violoncello.
- 16 DE RODE, F.—Pair of kettle-drums.
- 17 KOHN, M. A.—A rose engine lathe.
- 18 PEPPER, OTTO.—Samples of curled hair.
- 19 WAMOST, D.—Varnished calf-skins.
- 20 KRUGER, A.—Gentleman's riding saddle.
- 21 GERBER, ED.—Chart on varnished linen cloth. Varnished double elephant paper for drawing.
- 22 MOLLNER, C. H. A.—Four ledgers.
- 23 LADE, ED.—Samples of corahs; designs and plates for corah-printing.
- 24 ARND & BEREND.—Table-cloth, printed on wood; piece of printed woollen furniture cloth.
- 25 DIEBNER & HARLOFF.—Pieces of printed and painted table-covers.
- 26 HEISER, F. L.—Coloured curtains.
- 27 MUKNHHEIM & ALPERS.—Coloured curtains.
- 28 VERHEIN, J.—Coloured curtains.
- 29 WINDMULLER, A.—Printed mousseline-de-laine cravats, shawls, &c.
- 30 REY, G. E.—Ladies' robes embroidered.
- 31 SCHELLER, J. G.—Embroidery.
- 32 GERSON, HENR.—Napkin, laced and worked.
- 33 GOMPERTZ, B.—Hair-embroidered pictures of the Queen and the Prince of Wales, and of the Hamburg Exchange.
- 34 CAHEN, T. J.—Sundry hats. A saddle-cloth.
- 35 CURJAB, TH.—Three hats.
- 36 SANLBERG, C. F. G.—Gentlemen's and ladies' boots and shoes.
- 37 SCHOOST, J. N. C.—Gentlemen's and ladies' boots and shoes.
- 38 MAGDALINSKY, J.—Waterproof shooting boots, and gentlemen's dressing boots.
- 39 KIPOL, A.—Jockey boots and gentlemen's dressing boots.
- 40 HENSEL, C. J.—Ladies' shoes.
- 41 KOFF & KNOLL, F. W.—Gentleman's laced coat.
- 42 COHN, L. H.—Gentleman's cap, without seam, made of a new stuff.
- 43 RITZER, W.—Set of gimlets and augers, for metal and wood.
- 44 HUNTER, J. A. F.—Circular saw.
- 45 BEREND, W.—Engraved and engine-turned brass plates for bookbinders.
- 46 SCHULTZE, F.—Engraved music plates.
- 47 LEHRMANN, J. J. A.—Brass parrot's cage.
- 48 SCHULTZ, F. J.—Bird-cages.
- 49 SCHULTE & SCHEMANN.—Tea comforts; coal vases, coal bucket, and zinc bath.
- 50 RICHTER, J. M. S.—Brass parrot's cage.
- 51 HEINE, G. T.—Brass parrot and bird cages.
- 52 FLAERSHEIM, J. M.—Fuel box; tea comfort and kettle.
- 53 KORLAN, G.—Frames for daguerreotype.
- 54 BRAHMFELD & GUTRUP.—Silver writing stand.
- 55 MEYER, DIECK.—Chimney-screen; wine-coolers; tea-plate; night-lamp, with two lithophanic plates.
- 56 HILDEBRANDT, C. L.—Window glass; glass letters; and a glass box.
- 57 WRIGHT, J. G.—Soda water bottles.
- 58 HANNA.—Various specimens of earthenware pottery.
- 59 ALBRECHT, A.—Varnished chimney-screen.
- 60 RAMPENDARL, H. F. C.—Looking-glass, with hartshorn frame.
- 61 HUBEREN & POHLE.—Soft looking-glass, rococo style.
- 62 KORLAN, G.—Three looking-glasses.
- 63 BREUNING, C. D.—Writing bureau.
- 64 HAGER, T. F.—Ebony sideboard.
- 65 EWIGLS, H. W. M.—Sideboard of Jacaranda wood.
- 66 SEWOLE, J. G.—Sideboard of rosewood.
- 67 ADIKER, J. D.—Sideboard of rosewood.
- 68 GEBELER, H.—Gentleman's and lady's arm-chair of rosewood.
- 69 PLAMBCK, C. F. H.—Round sofa-tables, with inlaid work.
- 70 RAMPENDARL, H. F. C.—Writing bureau, inlaid with hart's-horn and ivory work.
- 71 FAULWASSER, C. E.—Lady's ebony working-table; sofa-table, with inlaid work; sundry boxes.
- 72 KÖHLER, J. H.—Sofa-table of rosewood, with inlaid work.
- 73 BEY, H.—Tables with inlaid work.
- 74 LOOSE, C. L.—Round table, with inlaid work; lady's work-table, with inlaid work; sundry boxes, with inlaid work.
- 75 LOOSE, J. R.—Round table, sundry boxes, with inlaid work.
- 76 MULLER, W. O.—Rosewood tables, with inlaid work.
- 77 KOPKE, C. J. C.—Lady's writing-table, in rococo style.
- 78 HEYMANN, J. D.—Rosewood sofa and chairs.
- 79 WERNER & FIEGHEIM.—Table with inlaid work; conversation sofa; arm-chair.
- 80 KRUGER, G. H.—Rocking chair; basket-work; and arm-chair.
- 81 MEHNE, PH.—Lady's rosewood work-table.
- 82 KELL, J. N.—Rosewood sideboard, and four chairs.
- 83 JANTZEN, J. C. F.—Pattern card of turner's work.
- 84 ECKERT, J. C. H.—Pattern card, with mother-of-pearl and ivory articles, and pipe-tubes.
- 85 UMLAUT, AUG.—Pattern card of combs.
- 86 MEYER, H. C. JUN.—Samples of sticks, whips, whalebone, and ivory work.
- 87 HARTEN & HUBEN.—Samples of sticks, whips, whalebone, and ivory work.
- 88 ASPERN, W. M. V.—Lady's velvet box.
- 89 WÜRKE, H.—Tobacco pipes of Turkey clay.
- 90 OLSHARDSEN, F.—Artificial flowers, arranged in a frame.
- 91 LÖWENTHAL & Co.—Dolls' heads, in wax and papier-maché.
- 92 DODOLAS, J. S. & SON.—Samples of soap.
- 93 ENGELHARD, F.—Statue of Richard Cerur de Leon, in bronze.
- 94 KLEPT, BR.—Marble figure of the Saviour, in relief. Two greyhounds in ivory.
- 95 SCHILLER, J.—Girl, with a bunch of grapes. Model of Flora, plaster.

- 96 ENGELHARD, W.—Relief in plaster, illustrative of northern mythology; a series of designs. Model of the Lofley.
- 97 BORN, ADG.—Engraved glass goblet.
- 98 RAMPFEDAMM, H. F.—Engraved ivory goblet.
- 99 BOSTELMANN, A.—Coloured church window in miniature.
- 100 ECKING, F. W.—Two coloured glass transparencies. Tops of tables in marble, stained and ornamented wood.
- 101 CORWIDEN, LUDW.—Transparent horn paintings.
- 102 SCHWARZE & Co.—Music of the Opera Lichtenstein, bound in velvet.
- 103 KÖNIG, F. J.—A daguerreotype painting, coloured.
- 104 SCHMIDT, WM.—A sausage.
- 105 MEYER, Berlin.—Two green Orlean petticoats. Samples of prepared horse-hair, and horn.
- 106 BARTHELA, J. C. M.—Wood carvings.
- 107 ZURER, J.—Carvings in Ivory.
- 108 FRALS & BALLEKINER.—Mahogany veneer, fifty-four plates to the inch.
- 109 TRIDEL, JUN.—A child's sofa.
- 110 CLASSEN, F. F.—A fender for a stove.
- 111 BORN, W. H.—A bird-cage.
- 112 SCHULTZ, G. S.—Two bronze candelabra.
- 113 BOYE, C. T.—Spinning-wheel.
- 114 MIBOLCI, C. L.—Specimens of bookbinding.
- 115 HANTOO, C. H.—A needlework fire-screen.
- 116 BÖCKEL, A.—Painted window-blinds.
- 117 KAMLER, A.—Lithographic writings.
- 118 SEVERUS, E.—Needlework.
- 119 APPEL, J. C.—Needlework, carpet, and balls.
- 120 MENNER, W. C.—Five flags.
- 121 BEINHAUSEN, C.—A stove.
- 122 BARR, H. & Co.—Silk handkerchiefs.

HANOVER.

(Agent in London, F. STANISCHERID, Esq. 14 Mark Lane.)

- 1 HENNING, —, Limmer, near Hanover.—Specimens of asphaltum stone and asphaltum earth; melted asphaltum; asphaltum prepared for roofs and pavements.
- 2 HORNEMANN, C. Celle.—Ink for typographic and lithographic printing, with specimens of soot and boiled oil.
- 3 TANNER, C. D. Hanover.—Brace of pistols, in case. Gun, with two double barrels, in case. Rifle, in case.
- 4 LORDEPINK, W. A. Hanover.—Electro-magnetic apparatus, for telegraphs, on Morse's system, together with a subsidiary apparatus ("Relais"), and a paper roller.
- 5 HANSEN, J. G. Hildesheim.—Piece of sail-cloth. Piece of linen, called "Franslein."
- 6 SCHULTZE, D. Bodenteich, Lüneburgh.—Various samples of linen; some of raw or unbleached linen, and some of linen yarn and flax.
- 7 WAGNER, C. A. Hanover.—A hat, with felt body, covered with plush; of cotton cloth, covered with plush; another hat, covered with felt. Made upon a new principle.
- 8 BERNSTORFF & EICHWEDE, Hanover.—Gilt bronze lustre, for sixty candles. Bust in bronze of His Majesty the King of Hanover. Small bronze statue, the painter Holbein.
- 9 HENNING, C. Einbeck.—Specimen of paper-hanging.

HOLLAND.

Agent in London, F. G. CAMP, 21 Finsbury Square.

- 1 BLEEKRODE, Prof. S. Delft, and ERTHOVEN, L. Hague (Agents, Enthoven & Sons, Moorgate St. London), Inv.—Patent white paints from oxide of zinc. Yellow chromate of zinc. Green oxide of zinc. Chloride of zinc.

- 2 POOSTMAN & VINKER, Schiedam, Mann.—White lead.
- 3 STRATINGH & Co. Groningen, Mann.—White lead: white, soft, and pure.
- 4 MAAS, H. Doorn-Hag, nr. Amersfoort, Mann.—Hydraulic cement.
- 5 DOORA (VAN) & VERSTEEVEN, Rotterdam, Mann.—Prussian blue. Mineral blue. Chrome yellow. Chrome green. Water blue.
- 6 DIJCKMANS BROTHERS, Amsterdam, Mann.—Specimens of Dutch water-colours.
- 7 VAN, A. Wormerveer Mann.—Pearl barley, groats, dried starch, &c.
- 8 OOMER, A. M. Ginneken, nr. Breda, Mann.—Oil-seed cakes. Oil-cakes. Glue and gelatine.
- 9 DE HAAN, A. Rotterdam, Mann.—Sample of rapeseed. Rape-oil.
- 10 DEYL (VAN DER), LEENDERT, & SON, Weesp, Mann.—Patent chocolate powder.
- 11 BOCKEN, C. Venlo, nr. Rotterdam, Mann.—Samples of starch. Starch, mixed with fine smalt.
- 12 PRINS, C. C. Wormerveer, Mann.—Starch, known in Holland under the name of Urling's patent starch. Best Dutch starch.
- 13 SCHROEFVELD & WESTERBAAN, Gouda, Mann.—White and grey potato meal or farina. Potato gum. Sago, &c.
- 14 VOORST (VAN), DIJK, & SON, Zaandam, Mann.—Dutch wheat-flour.
- 15 VINKER, NOLET, & Co. Schiedam, Mann.—Potato-flour.
- 16 HEUVELDOF, H. Leeuwarden, Mann.—Specimens of chloroxy. Woollen manufactures.
- 17 VINKER, E. E. Amersfoort, Mann.—Yellow wax.
- 18 JOBBITEMA, A. Dokkum, Inv.—Veterinary medicine for oxen, horses, and other cattle.
- 19 TANNER, N. H. A. S. Hertogenbosch, Mann.—Preserved provisions.
- 20 SMITS, P. Utrecht, Mann.—Polychromate, or chrysaemic acid, a new dye. Animal charcoal.
- 21 ROOSEGAARDE, G. J. Zutphen, Mann.—Sole leather, from Buenos Ayres skins. Glue.
- 22 BUTTWERF, N. Delft, Mann.—Hides of Holland. A Buenos Ayres hide; sheep-skin, dressed. Chamois leather, &c.
- 23 KOK, A. P. Apeldoorn, Mann.—Morocco leathers, "basin" and "split." Calf-skins.
- 24 HOOF, VAN DER J. & Co. Rotterdam, Mann.—Java rattans, cleaned and prepared.
- 25 CRAP, H. J. L. Den Helder, Inv.—Mat, made of dried sea-grass.
- 26 HOOGEN, VAN DEN T. Dordrecht, Mann.—Patent standing-ropes.
- 27 BEEFTINGH (VAN), N. & Co. Katwyk, nr. Leyden, Inv. and Mann.—Rope, for ships' rigging; twisted in a concentric manner.
- 28 LAPFERE, A. Gouda, Mann.—Curtain cord. Strong twine and cord for fishing purposes, drum-cord, and forage of Dutch shell hemp.
- 29 DIJK, H. J. Dordrecht, Mann.—Brooms and brushes.
- 30 CATY & Co, P. S. Amsterdam, Mann.—Specimens of horse-hair (drawn) for fiddle-sticks and stuffing.
- 31 HAAR, J. H. The Hague, Mann.—A cloak, muff, and ruffles, made from the feathers of the *Colymbus cristatus*. Muff, made from the feathers of the marabou.
- 32 WARNER, W. H. Amsterdam, Mann.—Utrecht velvet in different colours, for furniture and carriages.
- 33 VERREDE, PAULUS & HENDRICK, & Co. Tilburg, Mann.—Twilled duffel baize. Fine thin cloth, &c. Flannel, &c.

- 84 ZAALBERG, J. C. & Son, Leyden, Mann.—Blankets for the markets of Holland, Belgium, Java, China, Japan, and France.
- 85 ZOUDEBO, J. & Son, Leyden, Mann.—Blankets of fine quality, made from Dutch wool, of a fast colour.
- 86 WTK (VAN) BROTHERS & Co. Leyden, Mann.—Woolen coverlets, knitting-yarn, worsted stockings, &c.
- 87 HOOCHBOOM, J. J. & Son, Leyden, Mann.—Blankets of Dutch wool.
- 88 SCHRILFEMA, J. & J. Leyden, Mann.—Blankets of various thicknesses, made of Dutch wool.
- 89 THEUNISSEN, J. Heppel—Mann.—Bed-tick, of linen thread, fine quality. Canvas, called "Moppeler everdoek."
- 90 KOOPMANS, K. Beverwyk, Mann.—Turkey-red cloth, dyed with Dutch madder.
- 91 ALPHEN (VAN), G. Breda, Mann.—Carpets of cow-hair, speckled, red, and black; and green, black, and striped. Staircase carpet.
- 92 HEUGENVELDT, I. Delft, Mann.—Carpets: Velvet, new Brussels, and under-table, or "crumb-cloths."
- 93 KROONENBERG, W. F. Director of the Royal Smyrna or Turkey Carpet Mann. Deventer.—Carpets: Deventer carpet, woven in one piece.
- 94 VON (VAN DE), P. C. Bortel, Mann.—Napkins and table-cloths of fine damask. Cloths for communion-tables. Napkin with the weapons of Holland and Wurtemberg, &c.
- 95 VOORT (VAN DER), H. Bortel, Mann.—Damask table-cloth and napkins, linen, with the arms of Great Britain, of the Netherlands, of Russia, &c.
- 96 GEFFEN (VAN), J. H. Bortel, Mann.—Napkins, table-cloth, and altar-cloth of linen damask, and of diaper linen.
- 97 GALLE, P. H. Kampen, Mann.—Table-cloth of linen damask, superfine. Napkins of linen damask, superfine.
- 98 TRAVAGLINO, J. A. Haarlem, Mann.—Sewing and other silk. Gold cloth. Silver damask. Black figured silk stuff, à la Jacquard. Satin de Chine. Gros de Naples. Silk lace. Ribbon, &c.
- 99 EYENHOVEN (VAN), A. J. Kempe, near Zutphen, Prop.—Raw, Dutch, and other silks.
- 100 SWAAR, S. L. The Hague, Inv.—Flax, Dutch flax, and hemp. Cotton flax, &c.
- 101 KAISER, G. C. F. Amsterdam, Mann.—Chamois gloves.
- 102 ROOYACKERS & SON, Rotterdam, Makers.—Boots: Varnished boots, the leg without seam. A Chinese boot. Boots of vulcanized caoutchouc.
- 102A PILGER, L. Amsterdam, Mann.—Two safes.
- 103 LAFKER, A. Gouda, Mann.—Twisted cotton reins, made by hand, for a set of four horses, in the English national colours. Twisted halters.
- 104 CAZE (VAN), J. B. Gouda, Mann.—Yarn and rope for fishing. Log lines and drum cords from Dutch hemp. Knitted reins, from English cotton.
- 105 POST & WENDT, Gouda, Mann.—Whalebone whips and walking-canes.
- 106 OTTO, F. H. Amsterdam, Maker.—Embroidery, representing an incident of Milton's youth.
- 107 COORE, C. Rotterdam, Mann.—Lady's head-dress. Periwig of grey hair.
- 108 ROOYEN (VAN), H. Utrecht, Des.—Specimens of dyed silk, coloured with the newly-invented polychromate dye.
- 109 HOWIG, B. C. & F. Zaandijk, Mann.—Fine parchment and double elephant paper.
- 110 HOWIG & SON, Zaandijk, near Amsterdam, Mann.—Fine parchment, double elephant, large square folio, and other papers.
- 111 GELDER (VAN) & SON, Wormerveer, Mann.—Paper for sugar refiners, white inside and purple outside.
- 112 GIBBERS, T. M. Roermond, Mann.—Iron fire-safes.
- 113 MARTIN, E. C. Zeyst, near Utrecht, Mann.—Queen's-ware stove.
- 114 MARTIN, E. C. Zeyst, near Utrecht, Mann.—Patent architectural ornaments of clay. Consoles, flower-vases, &c.
- 115 GRAAMANS, H. C. Rotterdam, Mann.—Patent kitchen stove, and two hearths.
- 116 HESSELINE, W. F. Gornsel, near Zutphen, Prop.—A seedlip and a cradle.
- 117 LANDEBROOK, J. Noordwold, near Dokkum, Maker.—Basket of willow or osier twigs, painted with Frieslandish green, &c.
- 118 DRAAIEMA, D. Deventer, Mann.—Porous pots of earthenware, used in galvanic apparatus.
- 119 LINDEN (VAN DER), A. Rotterdam, Mann.—Cigars made of Dutch and East Indian tobacco.
- 120 BRANDOW, N. D. Amsterdam, Mann.—Stearine candles and tapers. Lime soap. Stearic acid.
- 121 PRESELAERT & SON, Maastricht, Mann.—Marseilles, Limburg, Japan, odoriferous and other soaps.
- 122 SONDEHEIMER, J. K. Rotterdam, Des.—Ground or earth-borer.
- 123 STAM, F. Bennebroek, near Haarlem, Inv. and Maker.—Liquid manure-machine, with arrangements to spread the manure.
- 124 JENKEN, W. Utrecht, Maker.—A swing plough of Flemish construction. A turnip and carrot-cutter of a new construction.
- 125 VAN VLISSINGEN, VAN HEEL, & DEBOERIE CAIL & Co. Amsterdam, Makers.—Sugar-cane mill, of improved construction.
- 126 ESTHOVEN, C. L. at The Hague, Inv. and Mann.—An iron crane, for weighing and lifting.
- 127 GOOSENS, G. Artificer at the Royal Manufactory of Percussion Caps, Delft, Inv.—A machine for the manufacture of percussion caps, and loading apparatus.
- 128 PETER & FRITZER, Aarleristel, near Helmond, Founders.—Cast bells for a chime, weighing about 2,500 kilogrammes, or 5,500 lbs. with a suspending apparatus.
- 129 ENSCHEDE & SONS, Haarlem, Mann.—Printing types, Javanese character. Stereotype plates.
- 130 NERING, BOGEL, & Co. Deventer, Mann.—Cast-iron flattening-roll, for calendaring wool-velvet.
- 131 SORDEERS, G. Moorsien, near Utrecht, Inv. and Mann.—A moveable or double-acting safety-axle for carriages.
- 132 BOSCH, C. G. Amsterdam, Inv. and Mann.—A case containing copper less oxidizable than ordinary copper, for shipping and other purposes.
- 133 BECKER, C. Arnhem.—A delicate balance, with weights. Two other balances. A levelling apparatus.
- 134 KAISER, A. The Hague, Inv. and Mann.—Regulator for clocks, a simplified astronomical clock, with some new arrangements.
- 135 UHLMAN, K. W. Zwolle, Inv.—An equatorial sundial.
- 136 HOWIG, A. Amsterdam, Mann.—An astronomical eight-day clock, chronometer and other articles.
- 137 LOGEMAN, W. M. Haarlem, Inv. and Mann.—Large permanent steel magnet. Elector magnetic engine.
- 138 EDER, S. T. Rotterdam, Maker.—A clock.
- 139 CAZAU, J. Valkenburg, near Leyden, Inv. and Prop.—A dynamometer, to be used as a dynamometer for ploughs, with a chronometric mediator or controller of the indications of the instrument affixed to it. Mechanical tuning-key for pianofortes, made by B. Van Beek, watchmaker, Leyden.
- 140 CONRAD, F. U. The Hague, Engineer-in-Chief, Inv.—Model of a crane-bridge on the Dutch railway, constructed over the river Schie, near Schiedam and Deefhaven. Model of a rolling-bridge on the Dutch railway,

constructed over the old Rhine, a little below Leyde. Model of apparatus for shutting of sluice or dock-gates.

91 CLAASSEN, P. C. Amsterdam, Inv.—Model of a patent railway waggon, with improved break. Model of a patent railway, with a third line of rails.

92 MANTLAND, R. T. The Hague, Inv.—Model of a self-acting preservative locomotive, with warning apparatus propelled in front.

93 VOLLENROVEN (VAN), C. I. Rotterdam, Prop.—Models of a cutter, long boat, or launch, with a piece of cannon; gig; yawl and pinnace.

94 WAL (VAN DER, K. B. Hoeg, near Sneek, Inv.—Model of a water-mill with two screws.

95 OUPERS, J. F. The Hague, Mann.—Small piano-forte of purple wood.

96 ZACHARIA, F. Amsterdam, Mann.—A large folding screen, ornamented in Chinese or Japanese style. Woodm fire-screen and round table, varnished in red lacquer, &c.

97 HORNIK BROTHERS, M. & W. The Hague, Mann.—Ladder and staircase for the use of libraries.

98 SCRUTZ, L. W. Zeijst, near Utrecht, Des. and Mann.—Specimens of zinc casting. Stag, embossed by Mr. Busch, at Berlin; flower table, &c. Flower tables; vases and baskets, in wood and twisted reed.

99 KNOOR, P. Maestricht, Mann.—Two large chandeliers; two smaller, in cut glass, supported by gilt metal. A large vase of cut glass. Glasses, assorted. Glass conduit pipes.

100 LURASCO BROTHERS, Amsterdam, Mann.—Bronze statues, representing M. A. de ROTTER, Prince William I., and Rembrandt van Ryn: all modelled by L. Royer.

101 KEMPFEN (VAN), J. M. Utrecht, Mann.—Nineteen articles in silver, with a pamphlet.

102 GREB, J. G. Rotterdam.—A specimen of embossing, in the form of a beaker, made from a single piece of silver.

102a HETHEBERGEN (VAN), W. J. The Hague, Mann.—Specimens of military ornaments, as epaulettes, sword, and shoulder knots, cords, scarfs, &c. Galloon, and gold and silver thread.

103 LOCARDIE, J. M. Rotterdam, Mann.—Silver ornamented tea-kettle, with embossed figures.

104 ROMAIN, D. Rotterdam, Mann.—Cottage or pointe, made of diamonds and pearls, in three parts.

105 VERNEZ, J. S. Rotterdam, Maker.—Flowers and butterflies, sculptured in Carrara marble, in various colours.

106 DIENIST, J. M. Roermond, Maker.—Cameos, among which is a figure of Her Majesty the Queen of England. Prints, from medals and stamps.

107 LEFFERS, L. J. jun. The Hague, Des. and Mann.—Horn filled with artificial flowers in human hair, representing The Horn of Plenty.

108 HES, T. A. Amsterdam, Maker.—An artificial eye. 109 ESCHREDE & SONS, Haarlem, Letter-founders and Printers.—Bibles in quarto and folio, for the use of the Dutch Reformed Church, printed for the Dutch Bible Company, with stereotype plates.

110 NOORDENDORP, P. H. The Hague, Printer.—Specimens of Dutch printing.

111 ZWERBAARDT, ALBERTUS, Amsterdam, Printer and Binder.—Two books, in quarto, viz., Graduale Romanum; Antiphonarum Romanum.

112 RECKER, HENDRIKUS JOHANNES, Rotterdam, Book-binder.—Works of Hogarth, specimen of binding.

113 FOON, Dr. H. Amsterdam, Inv.—Specimens of transparent writing.

LUBECK.

(Agent in London, M. FOGLEKIM, 14 Tavistock St.)

1 PLATZMAN, CONRAD, Mann.—Oil-cakes.

2 CARSTENS, DANIEL HEINRICH, Mann.—Preserved vegetables, poultry, fish, fruits, and milk.

3 BEHRENS, JOHAN CHRISTIAN, Mann.—Skin of genuine black morocco leather. Specimen of gins.

4 BECKMANN, JOHANN, J. C. Mann.—Lamb's skin dressed with the wool.

5 FISCHER, CARL AUGUST, Mann.—Guns; double-barrelled rifle, with case; fowling-piece; and rifle.

6 LUNAU, BENJAMIN HEINRICH, Mann.—Cottage piano-forte.

7 BRUNSWIG, GEORG HEINRICH, Mann.—Japanned calf and sheep skin. Peaks of leather, and embossed pasteboard polished and ornamented.

8 SPIEGEL, WILHELM ANTON CARL & Co. Des. and Mann.—Embroidery, on silk canvass, intended for a fire-screen. Embroidery in process, on perforated card-board, intended for a portfolio.

9 STOLLE, DIERICH CARL, F. Mann.—Patterns of embroidery commenced, with the silk, wool, pearls, &c., necessary for its completion; on perforated card-board, and on cotton canvass and silk canvass. A fire-screen embroidered on cotton canvass.

10 BRYER, GEORG WILHELM, Mann.—A bed-screen of oiled.

11 ROEPER, FRIEDRICH, Mann.—A lady's work-box, decorated with embroidery, velvet, and bronze.

MEXICO.

THE MEXICAN COMMISSIONER. A landscape in a gilt frame of the material known by the name of Camalote: in relief. A frame of wax flowers. A collection of woods. Oil of coquillo in a small vessel. An etching in a frame. Three cakes of chittle. Designs of fruit and reptiles in wax.

MECKLENBURGH.

(Agent in London, M. FOGLEKIM, 14 Tavistock St.)

1 STOLENBERG, J. Genoyen.—Apparatus for distillation.

2 SCHMIDT, J. Güstrow.—Three guns.

3 GERBER, C. H. A. Güstrow.—Two table-cloths.

4 BATHURST, H. Schwerin.—Razors.

5 MEYER, J. Schwerin.—A soup-tureen of German silver.

6 MEYER, W. Warnemünde.—Samples of charcoal.

7 BARR, H. Rostock.—Wood carving.

NEW GRANADA.

A bag of cocoa. Various emeralds. GROSS, H. 12 Coleman St. London, Imp. Taploca and nutmegs: introduced into the island by Mr. Kennedy, in 1827.

GRUY, R. A bag of cocoa (*Theobroma cacao*), known in commerce as Caracacas cocoa; consumed chiefly in Spain and South America.

BALZERAS, G. E. Bogotá, Imp. A specimen of emerald, the property of the exhibitor, from the mine of Muzo in New Granada.

PARA, E. Bogotá, Prod.—Specimens of emeralds, from the mine of Muzo in the republic of New Granada.

BOWEN, Sir T.—Specimens of rough emeralds.

OLDENBURGH.

(Agent in London, M. PRILKIN, 14 Tavistock St.)

1 CASEBON, T. H. Oldenburg.—A model of Heidelberg Castle, carved in corkwood, in exact proportion to its size on the scale of 1/3.

2 BRAMLAGE, A. Lobna.—An assortment of manufactured quills.

3 SHARPSHOOT, C. Oldenburg.—Flax thread spun by the hand.

PERSIA.

ASSOF, F. 22 Jermya St. Two Persian rugs. Two boxes carved pear wood spoons. Three pair papier-maché book covers. Two looking-glass frames. Five kalemians (pen-holders). Two Persian knives. Four purses.

ARAKAN, H. Woburn Pl. Russell Sq. Three silk and gold embroidered scarfs. Two scarfs (all silk). Two dresses for ladies, in silk and cotton. A dress for a gentleman, in silk and cotton. A silk and gold embroidered cushion. Four silk and gold bags for ladies. Three pair silk and gold slippers for ladies. Two pair silk and gold slippers for gentlemen. Three silk and gold caps for gentlemen. A caftan (head-dress or turban). A silk girdle. Embroidered purses and sashes. Ornaments of various kinds, such as seals, rings, &c. of Jerusalem manufacture.

TROSPON, T. B. M.D. 5 Suffolk Pl. Pall Mall. Two pieces of Persian needle-work. Two handsome silk scarfs (new patterns). Four pieces of embroidered gold and silver (for slippers, caps, and reticules). A purse, scented wood. Two beads, scented wood. A mother-of-pearl bead. A Persian khorapan dagger, with ivory carved handle, with female figure. A narghili or hooka, for smoking. A lady's amber mouth-piece. Three silk-purses. Two pair of lady's slippers, yellow. A silk and cotton under garment, of a peculiar manufacture. A handsome cloak of peculiar material. A table cover of Persian manufacture. A box of silk samples, from the factory at Lodia, near Antioch, North Syria. Four boxes with Persian scenes painted on them. A small packet of Persian tobacco, used as a medicine.

ENG, F. & SON.—Four Persian panels: 1 Agis, an old king of Persia, having no male issue, and an only daughter, is represented buying a neighbouring chief named Yussuf, to marry him to his daughter Zelika, thereby retaining the throne in his own family.

2 The old king Agis making a feast to his intended son-in-law, who stands on one side while the women dance.

3 The old king's daughter Zelika in her harem.

4 Yussuf becomes king by his marriage, and is represented at dinner with his courtiers.

WATSON, BELL & Co. 35 Old Bond St.—Three Persian carpets.

COPLAND, Ald. M.P.—A carpet, 34 feet by 9 feet 6 inches.

BRIDWELL, J. Esq.—A table cover.

MAJOR, C. T. Esq. 21 Billiter St. London.—Two Persian rifles, and a sabre.

PORTUGAL AND MADEIRA.

(Delegate in London, ANTONIO VALDEZ, Esq.)

GOMES, J.—402 Dry figs.

CORREA, Baron. 3 Common salt.

CHIQUEIRA, M. J. S.—634 Set of scissors.

VILLA REAL.—412 Preserved plums. 413 Preserved figs. 414 Preserved peaches. 415 Preserved pears. 416 Preserved apricots.

421—427 Preserved peaches.

CASTELLAR, F.—422 Preserved figs. 423 Marmalade. 424 Quince marmalade. 425 Preserved plums. 426 Preserved pears. 428 Preserved plums.

1111 Two earthenware boiling pots.

TABACO & Co. Lisbon.—1184—1195 Impalpable snuff 1210. Cut tobacco leaves. 1196, 1198—1202, 1206, 1208, and 1209 Small cigars. 1211 Cigarettes. 1197 and 1207 Cigars. 1203 1205 Large cigars.

1277—1282 Broad white lace.

RODRIGUES, J. F.—990 Samples of ropes.

BACLET, J.—1017—2018 Cast-iron vases. 1015 Cast-iron bench. 1019 Specimen of cast-iron.

RANGEL, A. P. 1120 Wine cask.

BASTA, P. P. 1098 Earthen olive jar.

SILVA, DE M. 991 1014 Samples of shot.

TABACO SHUFF CONTRACT. 1172 Principe snuff (fine). 1173 1174 Principe snuff (large). 1175 Fine Princeps. 1176. Princeps yellow. 1177 Fine Princeps reserved (yellow). 1178 Princeps (large). 1179 1180 Princeps (mixture). 1181 1183 Common snuff (various qualities).

136—231 Specimens of marble.

DETRANT, . 237 245 Round table marble-slabs. 232, 236, 239 241, 242, 244, 246 248, 250, 251, 268, and 267 Marble slabs.

FIGUEREDE, J. J. 248, 249, 252 257 Marble slabs.

BONNETT, C. Alemtego. 256 Marble slabs (60 specimens).

1—135 Specimens of minerals. 275—298 Porcelain stone.

PALMELLA, de Duc. 530 Hemp tree.

CANTO, I. 1228 Carving in wood: Prince Henry ordering Gonzalves, Zoro, and Tristan. Vas, the discoverer of new countries in 1418.

PEDROSO, —. 113 Lithographic stone: Window in the Church of the Convent of Christ, in Thomar.

1155 1157 Bell-ropes.

TOMAS, Contractors. 112 Lithographic stone.

CARVALAO, M. L. 1212 Wax candles. 1213 Painted candles. 1224 1221 Wax baskets.

1144 1150 Umbrellas. 1127 1143 Ladies parasols.

MARRIHA, M. 1169 1171 Lace stockings.

FICALHO, Marquis de. 552 A box made of different woods. 621 White wax. 619 Bees' wax. 317 White tender wheat. 301 Sample of wheat. 299 Hard wheat. 375 Peas. 400 Sweet acorns. 440 Olives. 431, 482. Olive oil. 535 Thread of Agave Americana. 334 Barley. 355 Rye. 357 Oats. 347 Yellow maize. 596 Honey.

PISTO, F. 1044 1046 Engraved window glass.

GODINHO, M. N. 1253 Pen drawing.

LOPEZ, J. J. 1254 Drawing on a lithographic stone.

WELLBOURNE, A. 529 Ship biscuits.

PALMELLA, Duc de. 581, 532 Hemp. 114 Lithographic stone.

ROMAS, T. S.—1168 Thread tree.
 NAVAL ARSENAL.—1226, 1237 Capitals of a column carved in wood.
 VIEIRA, M. J.—1233 Wood carving: St. Francis. 1234 Ivory carving: Prometheus. 1235 Jesus Christ crucified.
 TOJAL, Count.—967 Letter paper. 968 Note paper. 969 White and red blotting paper.
 NUNES OF COIMBRA.—417 Different sorts of preserved fruits.
 SOAP CONTACT OF LISBON.—1158 1164 Different qualities of soap.
 ROYAL NAVAL DOCKYARD.—1225. Arms of Portugal.
 MULARINHO, M.—1236. Ivory chain.
 263, 264, 265 Transparent marbles. 699, 900, 901, 902, 903, 904 Eggs.
 RUSSELL, V.—1153 Artificial passion flowers. 1151 Artificial camellia.
 1255—1264 White lace. 1238—1293 Broad white lace.
 MADEIRA, F. A.—1265—1276 White lace.
 HIRSH BROTHERS. 52, 53 Carbonate of soda. 508 Oxalic acid. 68 Sulphate of copper. 77 Chloride of lime. 28 Muriatic acid. 30 Nitric acid. 64 Sulphate of iron.
 BOA, Viscount FONTE. 378 Large Windsor peas. 441 Olives. 305 Wheat. 313, 316, 327 Soft wheat. 518 Mustard seed.
 LORENDELLO & Co. 504 Tartaric acid. 37 Brown tartar. 50 Sulphate of soda. 61 Nitrate of barytes. 72 Nitrate of lead. 38 Tartar of potash. 62 Nitrate of strontia. 67 Sulphate of zinc. 75 Acetate of potash. 42 Refined nitre. 70 Oxide of zinc. 51 Carbonate of soda.
 BENEDETTI, Viscount. 307, 324, 326, 328 Wheat. 402 Ricinius. 376 Peas. 377 Large Windsor beans. 339 Yellow maize. 366 White kidney beans.
 ROYAL ARSENAL. 1126 Fire bucket. 1119 lava-lid chair. 592 Sico-wood from Goa.
 LEAL, F. M. C. 66 Sulphate of copper. 67 Ammoniac sulphate of copper. 32 Tartar of potash. 73 Carbonate of lead. 78 Red oxide of mercury. 74 Zodur of potash. 501 Citric acid. 502 Tartaric acid. 497 Volatile oil of lavender. 498 Oil of rosmarin. 499 Oil of geneviseer. 500 Oil of lemon. 31 Carbonate of potash. 515 Alcohol. 65 Sulphate of iron. 79 Corrosive sublimate.
 LISBON. 443 Black olives. 456 Sugar. 538 Raw cotton. 351 Barley. 346 Yellow maize. 398 Hard wheat. 516 Sarsaparilla. 458 Gum copal.
 BATALHA, F. 496 Palm oil. 309 Giant wheat. 540 Raw cotton.
 NORRETTO, P. F. 517 Capsules of copaiba. 337 Bye flour.
 ALBECK. 454 Starch. 330 Wheat flour. 405 Dry plums.
 BATALHA, R. 541 Mandioca. 542 Mandioca powder. HOLBECK. . 544 Thistle.
 ANGOLA. . 543 Tapioca.
 CASTELLO, F. 433 Preserved cherries. 406 Dry plums. 433 Preserved pears. 431 Preserved figs. 429 Preserved apricots. 433 Preserved peaches. 430 Preserved Tangarine oranges.
 SILVEIRA, CEMAR DE. 437 Preserved oranges. 402 Raisins. 513 Sumach. 528 Vermicelli. 519 Macaroni. 520, 522—527 Italian paste.
 ALCANER, . 302, 320 Soft wheat. 297 Hard wheat. 352 Barley.

ALBUQUERQUE, A. T. 353 Barley. 356 Oats.
 ALENTEGO, . 336 Rye. 331, 333, 334 Rye. 355 Barley.
 EVORA, . 369 Rice in shell.
 SILVA, . 349 Yellow maize.
 VIANA, . 343 Yellow maize. 338, 340, 345, 348, 350 Yellow maize. 341, 344 White maize.
 ALVARES, COSTE. 343 White maize.
 SOARES, C. V. 360 Yellow kidney beans.
 SILVA, J. DA. 370 White kidney beans.
 CARVALS, A. F. 359, 367 White kidney beans.
 SOARES, V. C. 368 Zebra kidney beans. 364 White kidney beans. 362, 363 Zebra kidney beans. 365 White kidney beans.
 VAZ, J. P. 406 Dry plums.
 ANGOLA. 447 Coffee.
 MADEIRA. 446 Coffee. 397 Walnuts.
 BRETTE, M. F. 393 Almonds.
 MORAMBIQUE. 448 Coffee.
 CAPE VERDE. 450 Coffee.
 EVORA. 453 Starch.
 GOMES, J. L. 403 Dry figs.
 FLEXOTO, J. C. 628 Gluc.
 BASTO, J. T. PUNTO. 629 Animal charcoal. 539 Raw cotton. 592 Sweet almonds. 598 Honey.
 MEUDE, R. F. 410 Dry peaches.
 CARVALHO, M. L. 624 Bees'-wax.
 BASTO, J. F. 630 Animal charcoal.
 NORRETTO, P. F. 623, 626 Gelatine.
 FERREIRA, A. J. 76 Tartar of potash and soda. 36 Raw white tartar. 35 Raw red tartar.
 ST. URES. 45 Common salt.
 CORREA, Baron. 44 Salt.
 VAZ, A. P. 396 Walnuts. 521 Italian paste.
 NORRILLA, M. 71 Carbonate of lead.
 GARLAND & Co. 40 Grey tartar. 39 Cream of tartar. 41 Brown tartar.
 FERREIRA, M. B. 510 Sassaoh. 404 Dry peaches.
 LOULE, Marquis. 401 Cyperus esculentes. 571 Cratoquus aserolus.
 511 Sumach. 512 Pounded sumach. 435 White almonds. 439 Chocolate almonds. 459 Pitch tar.
 NUNES OF SANTAREM. 436 Preserved citron. 597 Honey.
 MATTOS, J. B. DE.—593, 594 Honey. 116, 117 Hydraulic clay. 118 Hydraulic volcanic scories.
 SERRELLLO & Co.—81 Emetic tartar. 80 Vermilion. 618. White wax.
 BRETTE, F. M.—622, 623 Bees'-wax. 545, 550, 551 Tooth-picks.
 493 Purqueira oil.
 MACEDO.—465 Olive oil.
 SILVA ALMERDA.—474 Olive oil. 487 Better almond oil.
 PUNTO, BORGES.—472 Olive oil.
 LINHARES, Count.—483 Olive oil.
 ST. URES.—46 Common salt, in lumps.
 MAIOR, RIO.—294 Flints.
 DA SILVA.—546, 548 Tooth-picks. 549 Tooth-picks, two points. 547 Tooth-picks, ornamented.
 BRETTE, M. F.—620 White wax. 445 Guinea pepper. 55 Brown lime.

NORRERTO.—599 Capsules of cod liver.
 CORREA, Baron de.—48 Common salt, in lumps.
 484 Sugar almonds.
 St. THOMAS.—451 Coffee.
 TIMOR.—449 Coffee.
 D'ALBUQUERQUE, J.—448 Olives.
 445 Capsicum.
 MINHO (Provinces).—56, 57 White lime.
 ALVES, E. J.—407 Dry cherries.
 CASTELLO BRANCO.—696 Honey.
 Vaz, M. P.—894 Filberts. 411 Dry peaches.
 VILLA REAL.—416 Dry apricots.
 FONSECA, J. L.—627 Glass.
 399 Dry chestnuts.
 ELVAS.—444 Olives.
 335 Walnuts.
 47 Salt. 1171 Silk for sieves. 49 Salt.
 CARVALHO, M. L.—617 White wax.
 FERREIRA, A.—33, 34 Tartar of potash.
 MACHADO, F. A.—64 Common white lime.
 ALCACER (Alentejo).—325 Hard wheat.
 St. UBS.—314 Soft wheat.
 ALENTEJO.—304 Hard wheat.
 FIGUEIRA.—322 Hard wheat.
 WESTERN ISLANDS.—321 Soft wheat.
 306 Giant wheat.
 AZEVEDO, J. R.—310 Wheat (4 quality).
 306 Hard wheat.
 WESTERN ISLANDS.—315 Soft wheat.
 XAVIER, A. M.—312 Wheat.
 323 Wheat.
 BIKIKO.—311 Soft wheat.
 SANTAREN.—303 Wheat.
 DELGADO.—300 Wheat.
 SILVA, A.—319 Wheat.
 ALMEIDA, J. V.—318 Wheat.
 369 Zebra kidney beans. 361 Yellow kidney beans.
 373 Spotted kidney beans. 371 Kidney beans. 329 Hard
 wheat.
 385 Rice.
 EVORA.—388 Rice in shell.
 391 Millet.
 BELMONTÉ, Count.—386, 387 Rice.
 ESTREMADURA.—384 Rice.
 SOARES, V. C.—390 Millet.
 379 Lentils.
 SILVEIRA, C.—373 Peas.
 374 Peas. 382, 383 Lupines. 333 Rye. 380 Peas.
 NOGUEIRA, A.—401 Arachides.
 452 Capers.
 BATALHA.—401 Arachides.
 BONNET C.—381 Carob beans.
 ANGOLO.—505 Wood orchilla.
 MOZAMBIQUE.—507 Wood orchilla.
 CAPE VERDE ISLANDS.—503 Rock orchilla.
 VIANNA.—507 Rock orchilla.
 BERLANGAS.—509 Rock orchilla.
 CENTRA.—509 Wood orchilla.
 MADEIRA.—508 Rock orchilla.
 ANGOLO.—506 Rock orchilla.
 St. THOMAS.—506 Wood orchilla.
 491 Castor oil.
 ALBUQUERQUE, J.—478 Olive oil.
 DE MACEDA.—466 Olive oil.
 ALMEIDA.—462, 464 Olive oil.
 486 Olive oil.
 ARCHER, J.—468 Olive oil.
 ALBUQUERQUE, J.—479 Olive oil.
 LOPES, J.—461 Olive oil.
 SILVA.—473 Olive oil.

SILVA, A.—463, 475, 477, 480 Olive oil. 490 Walnut
 oil. 492 Castor oil. 494 Purgaira oil. 495 Linseed
 oil. 489 Sweet almond oil.
 476, 485 Olive oil.
 PISTO, B.—471 Olive oil.
 LOPES, J.—460 Olive oil.
 FAROSO, Count.—468, 470 Olive oil.
 LINHARES, Count.—484 Olive oil.
 488 Sweet almond oil. 496 Linseed oil.
 LARCHEK, J.—467 Olive oil.
 ANGOLO.—495 Arachia oil.
 533 Raw fax. 534 Fax.
 GOMES, L.—418, 419 Dry figs.
 SOTTIZO, —.—672 Beaver cocked hat. 973 Silk
 cocked hat.
 LINCOLN COMPANY.—707—712 Cotton shawis. 715
 Cotton blanket.
 LOUREIRO, —.—718, 719 White tambour skein.
 677 Brown linens.
 BARBOZA, J.—681 Brown drills.
 TORRES NOVAS COMPANY.—661—664 Fancy linen
 drills. 683 Brown cotton drills. 667 Linen bed-tick.
 LAFOURIE, —.—840 Cotton and woollen tartan.
 DOPIAS, —.—853—855 Waistcoat, wool and cotton.
 860—865 Fancy woollen and cotton checks. 856—859
 Waistcoat-pieces, wool, cotton, and silk.
 PISTO & Co.—777—786 Printed cottons.
 673—679 Fine linen sheeting.
 VIANNA.—675 Linen cloths.
 672, 678 Superfine sheeting, linen.
 BARBOZA, J.—682 Cotton and linen drills.
 674 Fine linen sheeting. 676 Coarse linensheeting.
 MINHO, V.—807 Linsey woolsey. 806 Striped
 woolsey. 808 Strong woollen boaking.
 658 Spun fax. 654 Twist.
 GEORGE, J. J.—972 Damask carriage hangings.
 969 Fancy silk caps. 970. Silk hose or jacket.
 MELLO, C. & BROTHERS.—906 Striped Cashmere
 cloth.
 CORSHO, J. F.—909 Blanket.
 1125a White sheepskin. 1125b Yellow sheepskin.
 FIALHO, D. C.—1125 Steer skin.
 1124, 1124a, 1124b Morocco leather.
 SOUZA, G. B.—1112, 1114 Mats (straw).
 FERREIRA, G. B.—1113, 1115 Straw mats.
 FULCHER, R.—1116 Chest of drawers. 1117 Ward-
 robe.
 1224 Gilt round table and slab.
 THE KING OF PORTUGAL.—1237 Writing desk in
 wood and ivory.
 536, 537 Rush.
 DOPIAS & Co.—867—889 Woollen comforters. 885,
 886 Woollen jackets for children. 892, 893 Silk and wool
 covers. 890, 891 Silk and wool shawis. 866—871 Tartan
 and woollen shawis. 876—881 Printed woollen shawis.
 872—875 Figured woollen shawis.
 TORRES NOVAS COMPANY.—656—660 Canvas. 666
 Brown dowlas. 669 Crown linen. 657 Striped brown
 raven ducks.
 655, 656 Strong canvas. 670 Fine hall canvas.
 671 Brown raven ducks.
 LARCHEK BROTHERS.—792 Blue woollen cloth.
 790 Brown woollen cloth. 798 Coarse woollen cloth. 791
 Coarse woollen cloth, brown. 787 Fine cloth, olive green.
 789 Grey mixture, fine cloth. 788 Black woollen cloth.
 794 Fine black Cashmere. 795—797 Striped Cashmere.
 584 Pine-wood from Caporica. 567 Cork-tree
 wood. 564 Ash-tree. 566 Cypress. 563 Beech. 563 Holm.
 560 Mulberry. 559 Elm. 556 Wild olive. 557 Chestnut.
 555 Filbert. 553 Pine. 554 Plum. 558 Wild pine. 579
 Carob. 575 Walnut. 572 Platano. 574 Olive-tree.

- 576 Orange. 573 White acacia. 577 Box-tree. 571 Cherry.
581 Wild olive. 587 Ash from Alentejo. 561 Olive.
583 Pine. 585 Cherry. 569 Poplar. 570 Oak. 585 Oak
from Alcabaca. 590 Tacaola wood from Angola. 586 Cork-
tree from Alentejo. 591 Teak-tree from Goa. 589 Cousta-
tree from Bisego Islands. 582, 583 Pine from the royal
forest of Leiria. 588 Wild mahogany from Bisego Islands.
FRAGATA, C. A.—1126a Wine pig-skin. 1126b Leather
wine-bottle.
BRETTS, T. M.—1122 Sole-leather. 1125, 1125a
Sheepskin.
FIALBO, D. C.—1122 Sole-leather.
BELLO, J. G.—1126 Goat's-skin. 1123d Calf-skin.
SILVA, C. F. da.—1123c Calf-skin.
MONTENEGRO, M. B. jun.—1123a Calf-skin.
BARRETO, F. T.—1123b Calf-skin.
CORREIA BROTHERS.—799 Common dark-blue cloth.
803 Brown mixture. 800 Blue cloth. 802 Common brown
woollen cloth. 798 Dark-brown woollen cloth. 801 Green
woollen cloth.
DUFAS, —.—851, 852 Ponchos. 884 Saab-belts,
cotton. 883 Narrow belts. 882 Wide belts.
LAFOURIE, —.—832—839 Printed woollen shawls.
841, 842 Ponchos. 837—831 Woollen plait shawls. 843—
850 Woollen caps.
Luz, F. J. da.—775, 776 Printed cotton. 756—760
Cotton handkerchiefs.
PILTO & Co.—771—774 Printed cotton shawls.
ROCHO, F. C.—982 French black silk hat. 980 Boys'
white felt caps.
SOTTEIRO, —.—976 Silk hat. 979 Beaver hat. 975
Silk hat.
HIRSE, —.—986 Beaver hat. 985 White hat.
ROCHO, —.—981 Black silk hat. 979 Black beaver
hat. 978 White beaver hat. 983, 984 Black silk hat
(Portuguese).
LAFOURIE & Co.—810—813 Fine blankets. 814—
826 Woollen plait shawls.
MOTTEZ & WAY.—748—755 Printed cotton hand-
kerchiefs.
1233 Oil-skin table cover.
ROSELL, V.—1153 Japan rose tree, artificial.
1118 Mahogany bedstead.
BOWEN, C.—1233 Marble basket.
ROYAL MILITARY ARSENAL.—636 An old musket,
with gold and steel ornaments. 637 Musket of a curious
construction. 638 Improved percussion musket. 639 A
musket with covered locks. 640 Musket for percussion or
flint. 635 Blunderbuss or carbine.
BOBONE, D. J. A.—646 Regimental axe. 641—
642 Leather covers for common locks. 643—644 Improved
locks for caronades.
PORRO, J. M. L.—905—908 Silk tissue in gold and
silver.
662 A key.
RACHELEY, J.—1090 Cast-iron hammer.
645 A brass screw.
BARBOZA, J.—680 Brown drill (linen).
TORRES, NOVAS & Co.—665 Fancy brown ducks.
668 Linen bed tick.
FIGUEIREDO, J. J. 1121 Saddle.
CAMPOS, MELLO, & BROTHERS.—804 Woollen cloth.
DUFAS.—894, 895 Drugget carpets. 897, 898 Brus-
sels carpets. 896 Kidderminster carpet.
LAMA, M. R.—1151 Sealing wax.
GUIMARACUT, L.—1165 Fancy thread work.
514 Part of cork tree.
GAETANO, J.—1229—1231 Carvings in mahogany.
LOUZEIRO, A. G.—720 Cotton reels. 647 Card.
602 Dark wool.
PALMEIRA, Duke of.—804 Twisted silk.
GARCIA, J. C.—611—615 Twisted silk.
GUIMARACUT.—1167 Fine thread.
BARON, F.—1154 Kid gloves.
BRAGANZA.—616 Twisted silk.
FIGALBO, Marquis.—601 Black wool. 603 White
wool.
BASTO, P.—455—457 Leaf sugar. 632 Decimal
scale.
136—151 Prints (Views of Portugal).
Luz, F. J. da.—761—769 Printed cotton shawls.
MURANDA, BATALHA, & Co.—728—747 Prints for
garments.
Rio, VIELLO, & Co.—723 Weft.
PEREIRA, J. S.—713, 714 Cotton shawls.
LOUREIRO.—737 Cotton stockings. 716—717 White
tambour shawl.
POLYCARPO, A.—633 Surgeon's instrument box.
632 Agricultural instruments.
LEBON COMPANY.—684—700 Fancy cotton drills.
701, 702 Scotch plaid. 703, 704 Grey calico. 705 Bed
and sofa tick. 706 Bed tick. 721, 724 Weft. 723 Twist.
725 Blue and white tambour shawl. 726 Fine tambour
shawls.
PIMENTEL, T. M.—922 Check velvets for waist-
coats. 925 Black velvets for waistcoats. 927 Black satin.
935 Gros-de-Naples, with satin stripes. 936 Black watered
gros-de-Naples. 964 White watered silk.
MARTIN, R. J.—919 Black satin velvet. 940, 942
Fancy shot silk. 941 Shot silk. 939 Gros Gridden.
967 Fancy satin handkerchiefs.
CARRIEIRA, D. F.—926 Black satin. 937, 938 Gros-
de-Naples, striped and shot. 943, 944 Shot silk. 945 Shot
silk, with satin lines. 946 Dark gros-de-Naples, with satin
lines. 958 Black silk cravata. 960, 961 Fancy silk hand-
kerchiefs. 962 Gentlemen's figured handkerchiefs.
GEORGE, M. J.—930 Fancy green satin dress.
928 Light-blue satin dress. 933 Fancy embroidered satin
for waistcoats.
MOREIRA, J. J.—918 Black satin velvet.
948 Strong black silk.
BARBOZA, J.—949, 950 Fancy silk dresses.
GEORGE, M. J.—963 Self-coloured silk for waist-
coats.
MOUREIRA, M. C.—956 Black silk figured shawls.
CARRIEIRO, B. F.—937 Gros-de-Naples, striped and
shot.
SILVA, J. J. da.—955 Black and blue silk shawls.
966, 967 Yellow and red damasks.
GEORGE, M. J.—965 Figured damask. 921 Scotch
plaid in velvet.
PIMENTEL.—924 Striped velvet. 951, 952 Blue-
corded silk for waistcoats.
GEORGE, M. P.—971 Ribbons for military orders.
968 Gentlemen's black and white silk stockings.
GEORGE, M. J.—963 Shot cord silk cravata.
BARBOZA, J.—959 Satin neckerchiefs.
RAMIREZ, T. A.—954 Patterns of different silks.
MONTEIRO, J. F.—1252 Panorama of Lisbon.
PINTO, BASTO, & Co.—1096 Door handles; 1097 Soup-
tureen; 1098 Vegetable dish; 1101—1104 Dishes: in gold
and white china. 1109 Stoneware bottle. 1047 Washhand
basin and jug. 1048, 1049 Soup tureens. 1050 Butter cup
1051 A dish. 1074 Sauce tureen and stand. 1094 Night
porcelain lamp. 1098 Sugar cup. 1053, 1073 Different pat-
terns of plates. 1091, 1092 A tea and coffee service. 1088 A
green set of china cups, gilt. 1089 A blue set of china cups,
gilt. 1090 A white and gold set. 1075—1087 Different
patterns of cups, &c. 1095 A common cup.
ALFONSO, M. J.—1023—1043 Different patterns of
cut glass.

PINTO E SOUZA.—1021 A diamond enamelled brooch.
 MAMEDS, B. G.—1022 A set of amethyst, in gold filigree work.
 FRANCA, A. DE.—1022a—1022c Silver snuff-box. Small gold chain. One gold filigree.
 An improved rudder for a ship. Two pen-and-ink drawings. An artificial orange tree. A box of samples of lead ore.

MADEIRA.

SPECIMENS OF THE PRODUCTIONS AND MANUFACTURES OF MADEIRA AND WESTERN ISLANDS.

MINERAL KINGDOM.

1 Common opal—Porto Santo (*Opala commune*).
 2 Lignite—Madeira (*Lignite*).
 3 Lime-stone—Porto Santo (*Pedra de cal*).
 4 Stalactitic carbonate of lime—Porto Santo (*Carbonato de cal, em forma de stalactites*).
 4A Drip-stone of the island of Terceira.
 Sent over by Mr. JOHN READ, the British Consul at Terceira.

VEGETABLE KINGDOM.

5 Wheat (*Trigo*)—(Portuguese).
 6 Rye (*Centeio*).
 7 Barley (*Cevada*).
 7A Maize (*Milho*).
 8 Beans (*Frijão*).
 9 Peas (*Ervilhas*).
 10 Castor-oil seed (*Mamona*).
 11 Dry currants (*Passas de corintho*).
 12 Coffee (*Café*).
 13 Tea (*Chá*).
 14 Bastard saffron (*Açafres*).
 14A Curcuma longa (*Cucuma*).
 15 Sugar and sugar-cane (*Assucar, e canas de assucar*).
 15A Bunches of dates (*Ramos de tamaras*).
 16 Arrow-root and do. root (*Arroz e sua raiz*).
 17 Flax (*Linho*).
 18 Cotton (*Algodão*).
 19 Thread of aloes (*Fio de pita*).
 20 Thread and rope of mallows (*Fio e corda de malvas*).
 21 Specimens of all the woods in Madeira (*Amostras de todas as madeiras da Ilha*).
 21A " Catalogo plantarum medicinalium, &c., in Madera, by R. T. Lowe.
 21B Collection of the ferns of Madeira.

ANIMAL KINGDOM.

22 Wax.
 23 Honey.
 24 Butter.
 25 Raw silk (*Seda*).
 26 Silk-worm cocoons (*Casulos de seda*).
 27 Tallow, and tallow candles (*Sobo, e velas de sobo*).
 27A Wool (*Lã*).
 28 Cochineal (*Cochonilha*).

MANUFACTURES.

29 Linen cloth (*Panno de linho*).
 30 Linen napkins (*Guardanapos de linho*).
 31 Linen lace (*Renda de linho*).
 32 Net shawl (*Challe de meia de renda*).
 33 Shawl and other crochet works (*Challe e obras de crochet*).
 34 Broom wicker-work (*Obras de vira de giesta*).
 35 Straw plait (*Tranças de palha*).

36 Artificial feather flowers (*Flôres de penas*).
 37 Works in hair (*Obras de cabelo*).
 38 Cabinet work (*Obras de marcenaria*):—Two tables (*Méza*). Three work-boxes (*Caixas*). Two book-trays (*Taboleiros*). One chess-board (*Xadrez*). One book-stand (*Estante*). Twelve paper-knives (*Facas para papel*).
 39 A book, as a specimen of printing (*Amostra de imprensa*).
 40 Picture frame, made of Madeira til-wood, carved with grapes and vine leaves.

FERRAS, H. & SISTERS, MANU.—

FRUIT:—Wax copies of flowers, of the greater part of the fruits produced on the island, &c.

1—5 Anona—Custard apple (*Anona muricata*).
 6 Custard apple (*Anona chirimolia*).
 7—11 Romã—Pomegranate (*Punica granatum*).
 12—14 Maçã reinet—Apple (*Pyrus malus*).
 15—17 Maçã de Santa Anna—Apple.
 18—20 Pera doce—Sweet pear.
 23, 24 Maçã bemposta—Apple.
 25—29 Maçã barral—Apple (*Pyrus malus*).
 30, 31 Maçã, cara de dama—Apple (*Pyrus malus*).
 32 Maçã, pino d'ouro—Apple.
 33—35 Pera flamenga—Pear (*Pyrus communis*).
 36, 37 Pera Gabaçal; 38 Pera d'Ingouxo; 39 Pera Ruival;
 40 Pera Bergamota; 41 Pera Francesa; 42 Pera de S. Roque; 43 Pera do Monte; 44 Pera de S. João; 45 Pera Caniça—Pears.
 46 Peçogo da Ponta do Sol—Peach (*Amygdalus persica*).
 47, 48 Peçogo da Calheta—Peach.
 49 Figo Banana—Banana (*Musa paradisiaca*).
 50—52 Goiaba—Goiaba (*Psidium pomiferum*).
 53 Pera flamenga—Pear (*Pyrus communis*).
 54, 55 Ameixa—Plum (*Prunus domestica*).
 56, 57 Peçogo calvo—Nectarine (*Amygdalus persica*).
 58 Laranja—Orange (*Citrus aurantium*).
 59 Laranja d'imbiço—Orange (*Citrus aurantium*).
 60 Laranja tangerina—Mandarin orange (*Citrus nobilis*).
 61—63 Muruçupá—Orange (*Passiflora quadrangularis*).
 64 Manga—Mango (*Mangifera indica*).
 65—69 Tabaibo—Prickly pear (*Opuntia tuna*).
 70 Castanha—Chestnut (*Castanea vesca*).
 71 Pimentão—Capsicum (*Capsicum*).
 72 Jambo—Rose apple (*Eugenia jambos*).
 73 Bebera—Black fig (*Ficus longia*).
 74 Figo—Figs (*Ficus carica*).
 75 Maçã vermelha—Apple (*Pyrus malus*).
 76 Nóz—Walnut (*Juglans regia*).
 77 Limão—Lemon.
 78 Limão cidra—Citron (*Limonia*).
 79 Cidra—Cyder (*Citrus*).

ROME.

(SIGNOR CARLO TRESSI, Commissioner for Roman Government. J. & R. McCracken, 7 Old Jewry, Agents in London.)

1 BIANCOCCINI, COUNT BIAGIO.—Samples of earth: Silicious quartz, with which, by means of a chemical process, vitrification is obtained for making bottles.
 2 PASQUALI, DOMENICO RINALDI.—Samples of asphalt, natural and manufactured.
 3 SWEDER, PELLEGRINI.—Four blocks of natural alum.
 4 BIANCOCCINI, COUNT.—Samples of the product of tow of the Bolognese hemp. Samples of several woods.
 5 MORI, SIGNOR.—Sample of silk. Pine cones.
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6 BERRETTA, DANIELI, MANU.—Samples of various silks, worked in the factory of the exhibitor.

7 THE FILANDA-BEACCI AL FANO.—Samples of silk.

8 RANDELLI, COUNT ANGELO.—Sample of the manufacture of veils, partly craped, and partly striped with various colours.

9 THE CHAMBER OF COMMERCE OF THE CITY OF CESTO.—Sample of Centese hemp, from the province of Ferrara, made into cloth for sails, and cords of various sizes.

10 MINGHETTI, MARCO.—Samples of hemp, and of articles manufactured from it.

11 BLANCHINI, LUIGI, INV.—A new spring bitt.

12 MILLANI, PIETRO.—Samples of paper made of flax and hemp.

13 MARCHINI & OSOLI.—Samples of bricks and tiles, in imitation of mosaic marble, manufactured of argillaceous earth from the vicinity of Rome.

14 LIVIZZANA, AVO ERCOLE.—Sample of a work in paper, cut by the exhibitor with scissors only.

15 BARRELLI, The Cavaliere, Artist.—Mosaic table, invented and executed by the exhibitor, representing celebrated views in Italy.

16 BENZONI, GIO. MARIA, Sculp.—Sculpture, consisting of three groups in marble, of figures the size of life: Cupid and Psyche; Gratitude; and Fidelity and Innocence.

17 BOSCHETTI, BENEDETTO, Artist.—Two mosaic tables, of 3 feet diameter each.

18 MACDONALD, LAWRENCE, Sculp.—Ionic statue, in marble, 6 feet high and 3 feet diameter.

19 MODA, TOMMASO DELLA, Sculp.—Large vase, of Oriental alabaster, worked by the exhibitor. This vase, which is ornamented with two handles, is of the diameter of 3½ English feet, and from one handle to the other more than 4 feet.

20 MOGLIA, Cavaliere LUIGI.—Mosaics: Temples of Pestum; a circular table; and a square, representing St. George.

21 MOGLIA, DOMENICO.—Mosaics: The Roman Forum; the Colosseum; Temples of Pestum.

22 BOCCIGLIANI, ANTONIO, Artist.—Mosaic, representing the Temples of Pestum.

23 THE ROYAL MANUFACTORY AT ST. PETER'S.—Mosaic, copied from the celebrated "S. Gio. Battista," by Guercino; and a medallion, the portrait of Pope Boniface II., copied from the picture by Sig. Roberto Compiani; by Raffaele Castellini.

24 SAVALINI, THOMAS.—Cameos in Pierre Dure (onyx): Jupiter Fulminator, or Coraunius; original by T. Saulini; and portrait of the Rev. Dr. Townsend. Cameos executed in shell: The birth of Venus; and the Hours bringing the horses to the chariot of the Sun; from bas-reliefs by John Gibson, R.A. Mount Roveio, from the fresco of Raphael, in the Vatican. Spring, Summer, Autumn, and Winter, from bas-reliefs by Thorwaldsen. The marriage of Cupid and Psyche, from a bas-relief by Gibson. Bellerophon receiving Pegasus from Minerva, from a bas-relief by Gibson. Celestial and terrestrial love contending for the soul, from a bas-relief by Gibson. Young Bacchus, attended by Fauns, from an antique terra-cotta, in the Museo Campana, Rome. Cupid and Hyman, from a bas-relief by Thorwaldsen.

RUSSIA.

(Commissioner in London, M. GABRIEL DE KAMENSKI, 34 Norland Square, Notting-hill.)

1 IMPERIAL ALEXANDROVSK FOUNDRY, near St Petersburg.—Steeped flax and tow from Pskoff, Melenhoff, Velikoesk, Poletsk.

2 IMPERIAL ALEXANDROVSK CANNON FOUNDRY, Olonets.—Iron ores. Limestone. Cast iron for heavy guns.

3 IMPERIAL ARTIFER WORKS, Zlatoust.—Specimens of cast steel.

4 IMPERIAL BARNAUOLSK WORKS, Aitaisk, Siberia.—Silver ores from various mines. Limestone. Lake salt. Fire-brick. Slags, and the different products in the process of refining the above-named ores. Fine silver.

5 IMPERIAL CAST IRON WORK OF KOUSEVINSK, Perm.—Pig iron.

6 IMPERIAL COPPER WORKS OF PERM, Perm.—Geological specimens of the rocks of the Permian system of Sir Roderick Murchison:—Marly sandstone. Marly clays. Specimens of iron, steel, copper, tin, and malachite. Decomposed dolomita. Copper in ignots; various and sheets. Nerinsk quartz, white refractory clay and fire bricks, materials used for the furnaces in the smelting of copper ores.

7 IMPERIAL GOROSLAODATSK IRON WORKS, Perm.—Magnetic iron ore from Blagodatsk mine, and other iron ores. Limestone, used as a flux in smelting iron ores.

8 IMPERIAL KAMENSK IRON WORKS, Perm, district of Ekaterinburg.—Melnikovsk and other ores (brown clay iron-stone). Limestone. Silica. Quicklime. Slags, and cast-iron.

9 IMPERIAL KOUSEVINSK IRON WORKS, Perm, district of Zlatoust.—Fire-stone, fire-brick, brown iron-stones, and other geological specimens. Fibrous iron. Large-grained wrought iron.

10 IMPERIAL IRON WORKS OF NIJNE-TOURINSK.—Bar-sheet iron.

11 IMPERIAL IRON WORKS OF VERKHNE-BARABTCHINSK.—Rolled iron of different forms and dimensions.

12 IMPERIAL IRON WORKS OF VERKHNE-TOURINSK.—Pig iron.

13 IMPERIAL IRON WORKS OF VOTKINSK, Viatka.—Puddling and other iron.

14 IMPERIAL MANUFACTORY OF FIRE-ARMS OF ZLATOUST, Orenburg, district of Zlatoust.—Raw, forged, blister, damask, and cast steel.

15 IMPERIAL MINING WORKS IN POLAND.—Various geological specimens.

16 IMPERIAL NIJNE-ISETSK WORKS, Perm.—Scrap sheet; and boiler plate-iron.

17 IMPERIAL SATKINSK IRON WORKS, Zlatoust.—Wrought and soft cast-iron, from blast furnaces, and geological specimens.

18 IMPERIAL WORKS, Tomsk, district of Aitaisk.—Samples of cast and Damask steel.

19 IRON WORKS OF KHANOUNITSKY (PONOMAREFF, Madame, Proprietress), Viatka, district of Slobodsk.—Charcoal-iron, sheet, oxidized, and boiler plate-iron.

20 IMPERIAL BOGOSLOVSK COPPER WORKS, Perm.—Native copper, from Michael Archangel mine, and copper ores. Vitreous ore, with copper pyrites, impregnated with quartz, from Michael Archangel mine. Reniform malachite, with bituminous and other ores.

21; 120 DEMIDOFF, Messrs. Nijne-Taghilek, Siberia, Props.—Specimens of rocks, found in auriferous and in platina sands. One piece of native gold, Pine-tree wood. Charcoal.

22 MINERALS found in New Russia and Bessarabia, and in the TRANS-CAUCASIAN PROVINCES.—Gneiss. Syenite. Syenite-Gneiss. Fine-grained syenite. Diorite. Feld-spar, &c.

23 PASHKOFF, A. Orenbourg, district of Sterlitamatsk, Prop.—Copper in ingots.

24 PASHKOFF, M. Orenbourg, district of Sterlitamatsk, Prop.—Copper in ingots, in cakes, and in sheets.

25 JAKOVLEFF, Madame CATHERINE, Riazan, estate of Grishino, Prop.—Samples of steel.

- 26 HIRSHMANN & KJEWELI, Warsaw, Mann.—Chemical productions.
- 27 SCHLIFF, C. Moscow, district of Vereiak, estate of Plesninsk, Manufacture.—Prussiate of potash. Alum. Muriate of tin. Oxalic acid; tartaric acid. Vinegar. Leucocome.
- 28 SANN, —. Kaluga, Mann.—Sugar of lead. Chemical.
- 29 BROSHIN, A. Koselek, Mann.—Prussiate of potash.
- 30 VERDAN & Co. Moscow, Mann.—Leucocome. Dextrine. Albumen. Starch.
- 31; 101 KARPOVITZ, —. Iaroslaff, Prop.—Flax, prepared after the Flemish method. Rape-seed.
- 32 KOUCHELEFF, Count, near St. Petersburg, estate of Ligovo, Prop.—Wheat and other agricultural produce.
- 33 LOSHKAREFF, —. (Peasant), Simbirsk, Prod.—Wheat.
- 34; 114 HIRSHMANN, —. Lublinsk, district of Sedletz, estate of Sokolovo, Prop. *Phormium tenax* (New Zealand flax). Large-eared wheat. Rye.
- 35 KLEPATEKY, —. Kharkoff, district of Koupianak, Prop.—Spring wheat (called "arnautka").
- 36 DOUKHOVNOFF, —. Toula, district of Kashirak, Prop.—Prepared maida buck-wheat. Fine pearl barley. Fine groats.
- 37 COSSACKS of the ASOFF SEA, territory of the Don Cossacks, Prod.—Bine-eared spring wheat (called "boolgarka"), in sheaves and in grain. Black-eared spring wheat (called "boolgarka"), in sheaves and in grain.
- 38 MOROZOFF, —. (Peasant), Kostroma, estate of Kerobeinikoff, Prod.—Wheat (called "belotourka").
- 39 BAGUR, —. near the town of Kertch, Prop.—Hard wheat (called "arnaut").
- 40 MATVEIEFF, (Peasant), Orel, district of Eletz, Prod.—Prepared buck-wheat.
- 40A BITTON, Baron, Courland, district of Mitau, estate of Patzen, Prop.—Pearl barley.
- 41 SCHOOL of HORTICULTURE, Bessarabia.—Indian wheat.
- 42 SHABELSKY, —. Ekaterinoslaff, district of Rostoff, Prop.—Hard wheat (called "arnaut").
- 43 TRESCOFF, —. Warsaw, district of Gostindak, estate of Khodove, Prop.—Wheat (called "sandomirak").
- 44 WIELHORSKY, Count MATTHEW, Penza, estate of Zaemensk, Prop.—Corn, *Wielhorcka*.
- 45 N. N. Kharkoff, district of Znievsk.—Swedish and Himalayan barley.
- 47 ROFF, Baron, Courland, estate of Bixten, Prop.—Pearl barley.
- 48 REKKE, A. Courland, Prop.—Pearl barley.
- 49 RATSHINSKY, —. Smolensk, Prop.—Smolensky grits.
- 50 VLADIMIRSKY (Peasant), Novgorod, Prod.—Grits of snripe rye.
- 51 ZILPOGAB-BECK, & ISKANDER-BECK-OGLI, of Shemakha, village of Matchakhi, Prod.—Chaltick. Chaltick grits.
- 52 SELIVANOFF, —. Penza, estate of Koutchouk-Portch, Prop.—Oats.
- 53 HADJI-BABI-KELBALAY-OOSKIN-OGLI, Shemakha, Prod.—Dyed silks: crimson, black, green, yellow, and blue.
- 53A VOLKONSKY, Prince, M. Jaroslaff, district of Mologsk, Prop.—Oats.
- 54 OUSKOVSKY, —. Novgorod, district of Tikhvinsk, estate of Pabeff, Prop.—Oats.
- 55 SAFONOFF, A. B. St. Petersburg, district of Shlisselburg, estate of Kiritak, Prop.—Spring rye.
- 56 BOBKINSKY, Count A. Toula, district of Bogorodak, estate of Mikhailovsk, Prop.—Winter rye.
- 57 KHALIL-BECK-SAFIEFF, Erivan, district of She-roor, village of Bashoorabek, Prod.—Rice. Rice grits. Native Rice (called "chaltick"). Chaltick grits.
- 58 AGRICULTURAL SOCIETY of the CAUCASUS, Erivan.—Rice.
- 59 POUZANOFF, —. Kourak, district of Stahigrovak, estate of Nikitak, Prop.—Millet, and black millet.
- 60 ERSHOFF, —. Saratoff, district of Kamahinsk, Prop.—Wheat (called "koubanka"), and millet.
- 61 GOORIEL, Prince LEVAOVS, Cotaia, district of Ozerget, Prop.—Caucasian millet (called "gomia").
- 62 MIAOKOFF, —. (Peasant), Jaroslaff, district of Rostoff, estate of Ugolino, Prod.—Green peas.
- 63 KHOKHOLKOFF & GREGORIEFF (Peasants), Iaroslaff, Prod.—Green peas.
- 64 GOLOVANOFF (Peasant), Olonetz, district of Pou dojsk, estate of Sartchevak, Prod.—Wheat flour.
- 65 MANIN, —. Olonetz, district of Vitogorak, Mar chant.—Polish maida. Fine wheat flour.
- 66 ROUSANOFF, —. Orel, district of Eletz, Merchant.—Fine wheat flour.
- 67 SAPOJNIOFF BROTHERS, Saratoff, Merchants.—Wheat flour.
- 68 NIKITIN, —. town of Smolenak, Confectioner.—Dry preserved fruit.
- 69 SOROKIN, CATHERINE, Jaroslaff, near the town Rostoff, Proprietress.—Chicoy.
- 70 VOLKONSKY, PRINCE V. Tamboff, district of Shatzk, Prop.—Starch-gum.
- 71 ROTERMAN, C. Reval, Mann.—Wheat-starch.
- 72 YURGENSOV, —. Novgorod, estate of Mariemo, Prop. Potato-starch.
- 73 CARAFFE, M. Erivan, district of Soormaline, village of Amaret, Prod.—Seeds of the castor-oil plant (*Ricinus communica*.) Licoetne seeds. Sesamum seeds.
- 74 HEIRS of TRESCOFF, Warsaw, district of Gostindak estate of Streltze, Prop.—Turnip-seed.
- 75 MUSTAPHA, E. Tiflis, district of Bertchalin, Prod.—Turkish tobacco.
- 76 SPIGLAZOFF, A. St. Petersburg, Mann.—Tobacco, cigars, and snuff.
- 77 DOODINSKY, —. Shemakha, district of Lencoran Prop.—Maryland and Havannah tobacco.
- 78 SARGOCHENKO, PRINCESS MARY, borough of Shepetovka, Volhynia, district of Saslav, Proprietress.—Beet-root sugar.
- 79 HIRSHMANN, HIRSHFENDORFF, & KAVITZCH, Lublinsk, district of Sedletz, estate of Sokolovo, Sugar Refiners.—Refined sugar; raw sugar.
- 80 ESOFF, J. (Peasant), Vologda, estate of Navoisk.—Portable soup.
- 81 MARIMANOFF & ARMAKOONA, Shemakha, Farmers of the Salyan Fishery.—Isinglam. Cartilage of fish (called *viaziga*).
- 82 FELKESAM, Baron, Courland, district of Grobinak, estate of Papenhoff, Prop.—Mada. Different sorts of sunflower seeds.
- 83 LEVINSKY FOREST INSTITUTION, St. Petersburg, district of Ozarkoe Siclo.—Extract of fir-wood, turpentine, and resin.
- 84 RUDEKT, H. Warsaw, Musical Instrument Maker.—Purified resin.
- 85 N. N. Smolenak, district of Dorogobooj.—Wax.
- 86 BARAIEFF, A. Derbent, Prod.—Madder-roots.
- 87 KERIM-RAGHIM-OGLI; Derbent, district of Cabi, Prod.—Madder-roots.
- 88 Shemakha, district of Shoocha.—Bark of the wild pomegranate tree.
- 89 Stavropol, on the Banks of the Terek, and on the Plain of Coo Mack.—Dyedwood (*Statis coraria*).
- 90 KVAVILOFF, P. Tiflis, district of Telaff, Prod.—Safflower.
- 91 ATVAZOFF, S. Shemakha, district of Baki, Prod.—Saffron.

- 92 Durbent, district of Cabi. — Yellow berries for dyeing.
- 93 Shevakha, district of Nookha. — Wood of the sumach for tannery; leaves of the same for tannery.
- 94 ARDOUREA-MARAN OGLI, Erivan, district of Shevoor, Prod.—Native cotton.
- 95 BARAKHIN, M. Pakoff, town of Kholm, Merchant.—Flax.
- 96 DVINDIVADEK, PRINCE NIKO, Ismeretia, Prop.—Cotton, produced from seeds brought from the island of Bourbon.
- 97 ARDAMATSKY, J. & T. Solets, government of Pakoff, Merchants.—Flax.
- 98 ARDAMATSKY, J. Pakoff, town of Porkhoff, Merchant.—Flax—tow of the first and second qualities.
- 99 ARDAMATSKY BROTHERS, Novgorod, Merchants.—Flax and cake of the first and second qualities.
- 100 KRASHENNIKOFF, —, Orel, district of Sevsk, Prod.—Hemp of the second quality.
- 102 KAZALETT, A. St. Petersburg, Mann.—Oakum.
- 103 FIKSNOVOFF, K. Jaroslaff, town of Rilak, Merchant.—Hemp.
- 104 BOKHAREFF, —, Pakoff, district of Porkhoff, estate of Idanovich, Prop.—Tow.
- 105 N. N. Jaroslaff, estate of Velikoe.—Spread flax.
- 106 N. N. Esthonia, district of Vinsk, estate of Valk.—Flax, sorted.
- 107 N. N. Pakoff.—Flax, of the first and second qualities.
- 108 ZAKHAROFF, S. Pakoff, town of Kholm, Merchant.—Flax.
- 109 VOLKOVSKY, PRINCE, gov. of Orel, district of Sevsk, Prop.—Hemp of the first quality.
- 110 MILOKOSHEVICHNOV, K. Pudoj, Merchant.—Koreisk flax, first quality.
- 111 MELNIKOFF, —, Vladimir, district of Melenkoff, Merchant. Flax, second quality.
- 112 VANUKOFF, J. Solets, gov. of Pakoff, Merchant.—Flax.
- 113 VANUKOFF, T. Solets, gov. of Pakoff, Merchant.—Flax.
- 115 ZEMKOFF, —, Novgorod, town of Staraja, Russa, Merchant.—Tow of the first and second qualities.
- 116 SARININ, —, Toula, town of Belesj, Prod.—Oakum.
- 117 KAUFMAN, A. Prop.—Specimens of different woods from governments of Grodno, Minsk, and Volhynia.
- 118 GOVERNMENT OF COOTAN, Ozoorget.—Plane-tree wood. Rhododendron wood.
- 119 GOVERNMENT OF TIFLES, Djarobelocan.—Walnut-tree wood. Beech-tree wood.
- 121 GORKOORETZK FARM, Mohileff.—Merino wool, in a raw state.
- 122 VASAL, —, Tauride, district of the Dniester, Prop.—Spanish wool (merino).
- 123 GAMALET, T. Bessarabia, district of Ackerman, Prod.—Spanish wool (merino).
- 124 PHILBERT, L. & F. Tauride, district of Melitopol, Prop.—Spanish wool (merino).
- 125 N. N. Esthonia, Schloes Bergam, and Kaltenbrunn.—Merino wool.
- 126 SMAN, —A. Stavropol, district of Pistigorsk, Prod.—White and black wool, unwashed, of the Caratchay sheep.
- 127 NAKHHEKIN, L. K. Saratoff, district of Balasheffsk, estate of Serghelevka, Prop.—Wool.
- 128 N. N. Schloss-Trikaten, government of Livonia.—Wool.
- 129 YOUNG, K. Derbent, khanate of Kiurina, Prod.—White wool, unwashed.
- 130 GIGOLO, S. Gorsk, Prod.—Black wool, unwashed.
- 131 ABRAMOFF, J. Ekaterinocass, district of Rostoff, Prop.—Fine unwashed Cashmere goat's-hair.
- 132 COSACK WOMEN, Orenbourg.—Goat's hair, bleached and grey.
- 133; 200 TRIBE OF THE BASHKIRS.—Cleansed grey and yellow camel's hair.
- 134 KORJAKIN & MOUKIKOFF (Peasants), Vologda.—Bristles.
- 135 SENEKOFF & FALSTYFF BROTHERS, Kalouga, Mann.—Bristles; ditto (*okshu*).
- 136 ZOLOTOREFF, J. Kalouga, Mann.—Bristles: first, second, and third qualities. White and black bristles.
- 137 IUDITSKA, —, Moscow, Prod.—Samples of cocoons, and different sorts of silk.
- 138 RIEB, —, Tauride, district of Molotchansk, Prod.—Raw silk.
- 139 RENKOFF, A. Stavropol, district of Pistigorsk, Prop.—Raw silk.
- 140 RAYKO, N. Odessa, Prod.—Raw silks and cocoons, white and yellow.
- 141 VIKOULIN, —, Voronej, district of Zadonsk, Prop.—Raw silk of different colours. Organsine.
- 142 RENKOFF, A. Stavropol, Prop.—Cocoons, raw silks, and organsine.
- 144 POFORF, A. Moscow, Merchant.—Down of the first quality.
- 145 LAFKIN, J. St. Petersburg, Mann.—Goose down. White Bejstak feathers. Grey feathers.
- 146 N. N. Erivan, district of Alexandropol.—Persian powder for destroying insects.
- 147 & 155 IMPERIAL MINING WORKS OF POLAND.—Iron work used in gun-carriages. Rails, on the plan of Mr. Vignolles. Iron screw, with brass nut.
- 148 STAFFEL, I. A. Warsaw, Mann.—Calculating machine. A machine for ascertaining the weight of precious metals.
- 149 IMPERIAL ALEXANDROVSK MANUFACTORY, near St. Petersburg.—Machines for trying the strength of sail-cloth, cotton twist, and cotton thread. A Jacquard loom.
- 150 GRAFF, H. St. Petersburg, Inv.—Silk-throwing machine.
- 151 MEFTCHINSKY, A. Government of Kieff, Inv.—Patent machine for cutting files.
- 152 HEKE, D. Warsaw, Coppermith.—A vacuum pan, for the evaporation of sugar syrup.
- 153 DEMIDOFF, Messrs. Nijni Taghilak-Siberia, Prop.—A table for washing gold sand.
- 154 IMPERIAL COACH-MAKING ESTABLISHMENT, St. Petersburg.—A frame for wheels without felloes. An oak wheel-ring.
- 156 IMPERIAL IRON WORKS OF VOTINEK.—Iron work for gun-carriages. Girders for roofs.
- 157 IMPERIAL CAST-IRON WORKS OF KOCHVINEK.—Shot.
- 158 IMPERIAL IRON WORKS OF BARANTCHINSK.—Shells, grenades, and bombs.
- 159 IMPERIAL NIJNI-ISKITSK IRON WORKS, government of Perm.—Grenades.
- 160 ISMAEL-ABDOOL-RUGHIL-OGLI, government of Shevakha, district of Lagitch.—Gun and pistol barrels.
- 161 IMPERIAL MANUFACTORY OF ARMS OF ZLATOUST, district of Zlatoust.—Sabres and lances. Broadsword. Soldier's dagger and cuirass.
- 162 KHAMOFF, M. Fort of Temir-Khan-Shoori, North Daguestan.—Caucasian sabre (called *shakha*).
- 163 OOSTE-CATCHET-OOSTE-ALI-BECK-OGLI, — Geinzali, Shevakha, district of Nookha.—Caucasian sabre (called *shakha*).
- 164 BAZALAY, M. village of Casanistch North, Daguestan.—Four Caucasian daggers.
- 165 OOSTE-SELIM-MOLLA-NOORI-OGLI, Shevakha, district of Nookha.—A Caucasian dagger.

- 166 SHAH-WEDD-OGLI, Coobatchin, Derbent, Goldsmith.—A Caucasian rifle.
- 167 IMPERIAL ARTIFICE WORKS, district of Zlatoust.—Cast-steel scythes.
- 168 IMPERIAL EKATERINSBURG ENGINE FACTORY, government of Perm.—Mechanical tools.
- 169 IMPERIAL LUGSK WORKS, near St. Petersburg.—Drawing instruments. Seatants. Level and stand.
- 170 PICK, J. Warsaw, Mann.—Microscopes, with two eye-pieces, three sets of achromatic object-glasses. A level, with two achromatic telescopes. A quadrangular magnifying glass.
- 171 RUDKEFF, H. Warsaw, Mann.—A small violin, the upper part made of fir; the sides, back, and handle of plane wood, with a bow.
- 172 LICHTENTAL, M. St. Petersburg, Mann.—Imperial pianoforte; cottage ditto.
- 173 VISOFFTCHIKOFF, M. Nijni-Novgorod, Mann.—Iron scale-beam.
- 173 RAKHNECK, I. Moscow, district of Bogorodsk, estate of Sobolers, Mann.—Twist cotton. Red twill (cossetek). Plain velveteen. Plain and printed calico. Printed handkerchiefs.
- 174 POPOFF, T. & SONS, Vladimir, Shouia, Mann.—Long cloth.
- 175 PASTELKEFF, M. Moscow, district of Bogorodak, Prop.—Cotton velvet, of different colours.
- 176, 181, 190, 208 ROCHKOFF, J. Moscow, estate of Perovo, Mann.—Printed muslin dresses, of different colours. White, black, and net shawls. Kerchiefs. Lace, &c. Alexandra pink gauze.
- 177 MAYER & ZUNDL, Moscow, Mann.—Chintz.
- 178 CLARKYNSK CLOTHS MANUFACTORY, Moscow, district of Dmitrovsk.—Chintz of different colours; and for furniture.
- 179 LUTCH, J. St. Petersburg, Mann.—Chintz.
- 180 ZUDOFF, D. & STRAFOGIN, A. Tshernigoff, district of Sourajak, suburb of Kliutz, Mann.—Dark blue cloth.
- 181 STUMPF, F. Warsaw, town of Tomaszew, Mann.—Green and black cloth.
- 182 AKHNEFF, J. Tshernigoff, district of Sourajak, suburb of Kliutz, Mann.—Light grey cloth.
- 183 CACHI-SERVILLI, Tiflis, district of Djarobelocan, Prop.—Ossetian cloth (called *tiflick*).
- 184 ISAKOFF, P. Tshernigoff, district of Sourajak, colony of Novi Meziritch, Merchant and Mann.—Cloth of different colours.
- 185 ZAKHRETT, W. Grodno, town of Supraal, Mann.—Cloth of different colours; doeskin.
- 186 TCHARTI-ONDOOL OULI, Tiflis, district of Djarobelocan, Prop.—Cloth for Caucasian trousers. Lesghian cloth.
- 187 TCHETVEKHOFF, —, near Moscow, Mann.—Black satin amazone, made of wool from the socks of Count Nesselrode.
- 188 TCHURLOFF, —, St. Petersburg, Mann.—Satin amazone. Checked Cashmere.
- 189 GOUTCHKOFF, E. & J. Moscow, Mann.—Cashmere and mousseline de laine, plain and printed. Table-covers. Poplin.
- 190 VOLNER, —, Moscow, Mann.—A variety of French merinos, Cashmeres, mousseline de laine, and satin de laine.
- 192 MOSS & Co. Grodno, near Belostok, Mann.—Doeskin. Patterns of doeskin. Woollen yarn, of Nos. 33—40.
- 193 NARIMOFF, O. Shemakha, town of Shooaha, Prod.—Woollen socks for men; ditto for women.
- 194 OOSTE, A. Shemakha, Nookha, Embroiderer.—Embroidered cushions of red and blue cloth.
- 195 FAVAR, C. Moscow, estate of Poushchino, Mann.—Woollen damask.
- 196 NOGANK TARTARS, Prod.—Camel's hair-cloth.
- 197 DOUBASSOFF, —, Orenburg, district of Bougourous-lanak, Prop.—Cloth made of camel's hair.
- 198 COMBACE WOMEN, Orenbourg, Prod.—Spun goat's hair.
- 200 TRIBE OF BASHKIES, Prod.—Spun camel's hair.
- 201 AYRAPET, T. Shemakha, town of Shemakha, Mann.—Taffeta, 54 yards; ditto, 7 yards.
- 202 & 223 SHTOFF BROTHERS, Moscow, Mann.—Silver gilt fringe, braiddings, and wire thread. Samples of brocade.
- 203 KOLOKOLNIKOFF, —, Moscow, Mann.—Patterns of brocade.
- 204 LOKYEFF, J. Moscow, Mann.—Velvet. Ribbons. Plush. Waistcoats, in gros-gros. Neckerchiefs.
- 205 POLIAKOFF & ZANIATIN, Moscow, Mann.—Silver glassett. Watered silk.
- 206 TEDJOOON-BECK-MELIK-SHAH-NALAROFF, Shemakha, town of Shemakha, Mann.—Caucasian silk stuff (called *djidjim*), and Taffeta.
- 207 JEAP-OGLI, Pasha, Shemakha, district of Nookha, village of Khatsomer, Prod.—Taffeta of silk and cotton. Silk handkerchiefs. Caucasian silk stuff (called *saff*). Silk stuff for trousers, as worn in the Caucasus (red); ditto (grey); ditto (blue).
- 209 ZALAGHIN, —, Moscow, Mann.—Gros de Naples glacé, and checked; gros-gros modrée (watered silk), and satin.
- 210 & 219 IMPERIAL ALEXANDROVSK MANUFACTORY, near St. Petersburg.—Bleached and boiled sail-cloths. Bleached and half-bleached damask table-cloths. A silk woven picture. Silk portraits.
- 211 PEASANT WOMEN, Khetson, district of Tiraspol, Prod.—Ornamental head-dresses (called *safra*). Silk sheet. Silk cloth and towel.
- 212 MELNIKOFF-GLOUENKOFF, P. Rjeff, Mann.—Hemp yarn.
- 214 MELNIKOFF-GLOUENKOFF, M. Tver, town of Rjeff, Mann.—Hemp yarn.
- 215 BITROX, Madame, Kalouga, district of Medinak, Prop.—Sail-cloth.
- 216 BRUZHIN, A. Kalouga, Mann.—Sail-cloth.
- 217 BELIER, P. Kalouga, Mann.—Sail-cloth.
- 218 ZOTOFF BROTHERS, Kalouga, district of Kozelsk, Mann.—Sail-cloth.
- 220 KOSOVYKIN, Countess, Kharkoff, district of Akhtirak, Prop.—Linen.
- 221 JULENIUS, ANNA (peasant woman), Abo, Finland, Prod.—Linen.
- 222 VON MENDEK, M. Kostroma, district of Kameshemak, Prop.—Table-cloths; napkins; towelling; breakfast table-cloths.
- 223 KARALETT, A. St. Petersburg, Mann.—Cordage. Rope yarn.
- 224 KOUBSOFF, J. & SONS, St. Petersburg, Mann.—Hides, half-tanned.
- 225 DIFFERENT MERCHANTS & PEASANTS, Nijni Novgorod, Prod.—Sheep-skins.
- 226 LITKE, J. Warsaw, Mann.—Varnished calf leather. Russia leather (*gupsk*). Calf leather, for shoes. Varnished ox leather, for carriages.
- 227 MAY, R. Warsaw, Mann.—Varnished calf leather, for shoes. Varnished ox leather, for carriages. Black oil-cloth.
- 228 OZEROFF, T. Kourek, district of Belgorod, village of Besonovka, Prop.—Black leather, glazed for bridles, and thin, for carriages. Black Russia leather, glazed goat-skin, and soaked in white calf-skins.
- 229 PODSOBOFF, P. & SONS, Nijni Novgorod, Arzamass, Mann.—Russia leather.
- 230 DIFFERENT PEASANTS, Ekaterinoslaw, Prod.—Lamb-skins.

- 231 SMOUVALOFF & SON, —, Moscow, Mann.—Varnished leather.
- 232 & 235 SKVORZOFF, , Moscow, district of Svezigorskak, Mann. Leather for boots. Sole-leather. Leather boots for ladies.
- 233 SATOURKIN, M. (peasant), Nijne-Novgorod, district of Balahinsk, Prod. White and black leather.
- 234 MILLER, M., jun. Warsaw, Mann. Gentlemen's boots, of extraordinary lightness. Shoes, without seams. Morning boots, made of different pieces of leather.
- 236 JALOVITZIN, J. Kalouga, Mann. Sole-leather, tanned with extract of rye.
- 237 GRIBANOFF, P. Kalouga, Mann. Sole leather, tanned with extract of rye.
- 238 BOUDELIN, A. Nijni-Novgorod Arzamas, Mann.—Russia leather.
- 239 KOTZLOFF, P. Kasan, Mann. Morocco leather, for exportation to China, and for home consumption.
- 240 BAKHROUSHIN & SON, Moscow, Mann. Morocco leather of different colours; calf ditto.
- 241 SMOUVALOFF & SON, Moscow, Mann. Ladies' water-proof boots and clogs.
- 242 ; MAHMET-VELI-OGULI, Shoosha, Prod.—A horse-rug.
- 243 ABDOL-MAHOMET-OGULI, Shemakha, district of Nookha.—Skin of a wild goat.
- 244 A RASB-BAK, Shemakha, district of Lencoran.—Leopard, tiger, and pelican skins.
- 245 MAHOMET-OGULI, Shemakha, district of Nookha.—Skin and horns of the mountain sheep.
- 246 ALI-MEHMET, Shemakha, district of Salyan, village of Seydan.—Antelope skins (called *djeyras*). Skins of martins.
- 247 SEMENOFF & FALEYEFF BROTHERS, Kalouga, Mann.—Trimming of elder-down.
- 248 BEZROUKAVNIKOFF-SOKOLOFF, A. St. Petersburg, Mann.—Prepared horse-hair for furniture and mattresses.
- 249 CAMBIN-OSSEIN-COOLU-OGULI, Shoosha, Shemakha, Embroiderer.—Horse-trappings, embroidered with silk.
- 250 DADA, B. Shoosha, Shemakha, Mann.—Caucasian saddle-tree.
- 251 AGADJAN D. Shoosha, Shemakha, Mann.—A Caucasian bit.
- 252 ARUTIN TARANOFF, town of Shoosha, Prod.—A saddle-bag.
- 253 HANAN-OSTE-NEFTALI-OGULI, Shoosha, Prod.—Saddle-cloth.
- 254 IREZ-COOLU-HADJI-CAGRAMAN-GULI, Nookha, Shemakha, Prod.—Silk horse-cloth (called *cadjara*). Caucasian housing (called *yachar-ick*).
- 255 RAPHI-NURA-OGULI, Shoosha, Prod.—A saddle packing-bag (called *sofram*).
- 256 ROOSTAM, C. Shoosha, Mann.—Circassian stirrups for common use.
- 257 GAMBARTZOOMOFF, ARTEM, Shemakha, Mann.—Caucasian steel stirrups, inlaid with gold.
- 258 PETIT, A. Odessa, Inv. and Maker.—Wigs made by a new method.
- 259 IVANOFF, P. St. Petersburg, Mann.—Plumes of horse and other hair; ditto, in a raw state. Horse-tails, bleached, unbleached, and crimson-dyed. Black buffalo-tails.
- 260; 303 VARGOUNIN BROTHERS, St. Petersburg, Mann.—Paper hangings; copying paper; medium; white post; and writing paper.
- 261 SOLENIKOFF, —, Vladimir, district of Pokrovsk, estate of Serghievka, Mann.—Writing paper. Post blue and white paper.
- 262 FEUTER & RAY, Warsaw. — Paper of various colours and different qualities. Book of patterns. 36 specimens of paper-hangings; patterns of ditto. Table-covers in oil-cloth. Gross of pencils.
- 263 KERRALAY-KHOODA-AGHALI-OGULI, town of Baki, Shemakha, Prod.—Carpet.
- 264 BABA-IMAM-VERDI-OGULI, town of Shoosha.—A felted carpet.
- 265 BARDOFFERY, T. St. Petersburg, Mann.—Articles of furniture, and utensils, made of felt and hare's fur.
- 266 LEVASHEFF, —, Nijni Novgorod, Prop.—Mats.
- 267 IVANOFF (Peasant), Kostroma, district of Vetroujak, Starkovo, Prod.—Check mats.
- 268 SCHULTZ, —, Perm, district of Ekaterinbourg, Prop.—Mats made from the bark of the aspen-tree.
- 269 HADJI-AGA-BABA, Shemakha, town of Shoosha, Embroiderer.—Blue woollen table-cloth, embroidered with silk.
- 270; 277 LAFONT, P. Moscow, Mann.—Printed shawl, and silk gloves. Figured tulle.
- 271 FITNER, C. St. Petersburg, Mann.—Folding hat; silk ditto.
- 272 LOTT, G. Warsaw, Mann.—Bonnets of Italian and Belgian straw.
- 273 BENO-NIVETA, Warsaw, Mann.—Gloves of Russian kid, for ladies and gentlemen.
- 274; 291 N. N., Nakhitchevan, district of Taganrog.—Bracelets in silver (*niello*); thimble and ring in silver; silver needle-case (*niello*). Small steel-edged dagger (called, in Turkish, *tabas*) in a silver sheath. Sashes of gold ribbon (*niello*), for men and women. Cap (called *fass*) worked by the women of Nakhitchevan. Shoes, embroidering in gold.
- 275 SHIKHONIN, ALEXIS, Novotorjak, Novgorod, Merchant.—Velvet boots, embroidered with gold and silver, and in leather, and other articles. Silk and tinsel belts.
- 276 SHIKHONIN, —, Torjak, Mann.—Boots, caps, and other articles embroidered with gold.
- 278 KHIBGUIS, Prod.—Iergack, or cloak, made of horse-skins.
- 279 KERRALAY-HOOSSEIN-OGULI, Tiflis, district of Djaro-belocan, Prod.—Caucasian felted cloak of the Lezghis.
- 280 N. N. Abasia. — Caucasian felted cloak (called *bourka*).
- 281 MERLIN, A & V., Riasan, district of Jegorievsk, Prop.—A shawl.
- 282 A COSSACK'S WIFE, Orenburg, Prod.—Shawl of white goats' hair.
- 283 LADIGHIN, Madame, Tamboff, Prop. — Articles made of goose-down:—a pillow-case; Turkish pattern. White woven muff, with borders. White neckerchief.
- 284 ALBERTZOOM, S. town of Shemakha, Mann.—Caucasian gallooned collars. Galloons of three qualities.
- 285 IMPERIAL ALEXANDROVSK CANNON FOUNDRY, Government of Olonetz.—Statue of Napoleon. Clock cases. Letter-clip.
- 286 IAKVLEFF, Madame CATHERINE, Grishino, Riasan, Prop.—Articles of hardware. Knives, &c.
- 287 KRUMBIGEL, —, Moscow, Mann.—Two gilt bronze candelabra.
- 288 IMPERIAL MINING WORKS, Poland.—Kitchen utensils, enamelled, and made of zinc.
- 289 BUCH, —, St. Petersburg, Mann.—Samples of metal buttons.
- 290 AGA-MELIK-MAHOMET-HADJI-UESOOF-OGULI, Baki, Shemakha, Mann.—Enamelled gold trinkets.
- 292 PETZ, C. Moscow, Mann.—Plated tea-urns.
- 293 RALIVSKY, Madame, Kalouga, district of Mossalsk, Militino, Prop.—Glass.
- 294 MOUSSIN P. Novgorod, district of Kreteak, Prop.—Window glass.
- 295 KOKHANOFF, —, St. Petersburg, Prop. — Window glass.
- 296 AMELOUNG & Son, Government of Livonia, near Dorpat, Mann.—A looking-glass.

- 297 GAMES, —, St. Petersburg, Cabinet-maker.—Cabinet in tulip wood, ornamented with bronze and porcelain.
- 298 IMPERIAL POLISHING MANUFACTORY, Peterhoff, near St. Petersburg.—A table inlaid with various stones in Florentine mosaic, on a bronze gilt pillar.
- 299 MILLER, G. JUN. St. Petersburg, Pat. and Mann.—Coloured inlaid floors of various designs.
- 300 BEZIKI, —, St. Petersburg, Mann.—Cocoa-nut and oleine soap.
- 305 MATHEE, A. & Co. St. Petersburg, Mann.—Stearine in lumps, and stearine candles.
- 306 ALFTAN, —, government of Viborg-Finland, parish of Kaktinsk, Mann.—Stearine candles.
- 307 PITANIKI, —, Odessa, Mann.—Stearine candles.
- 308 NILSON & JUNKER, Moscow, Mann.—Stearine candles, and cake of stearine. Lump of soda soap, prepared from oleine.
- 309 SAPELKI, V. Moscow, estate of Vladimirovo, Mann.—Wax candles. Wedding candles.
- 310 POPINOFF, SOPHIA, Tiflis, Embroideress.—Velvet cushions, embroidered with gold. Lamp mats. Caucasian shoes, for men and women.
- 311 LESKHE, —, St. Petersburg, Mann.—Clogs, in India-rubber, for ladies and gentlemen. Waterproof morocco pillow.
- 312 BARRSHAGHAN (peasant), Archangel, Prod.—White felt boots.
- 313 STARIKOFF, —, Nijne-Novgorod, district of Semenovsk, Prop.—Felt shoes for ladies.
- 314 DIFFERENT PEASANTS, Nijni-Novgorod, Prod.—Felt shoes and boots, of white and grey colours; felt boots and shoes for men and women.
- 315 TCEUFITOFF, T. Rjeff, Mann.—Specimens of carmine and lake.
- 316 VOLOSKOFF, M. Rjeff, Mann.—Carmine.
- 317 VOLOSKOFF, A. St. Petersburg, Mann.—Samples of carmine; extract of carmine; carmine lake, and lake.
- 318 IMPERIAL CHINA MANUFACTORY, St. Petersburg.—Vases, ornamented with paintings.—Slabs for tables.
- 319 LOUKUTIN & SOX, estate of Dauilkoff, Moscow, Mann.—Snuff and cigar boxes. Other boxes.
- 320 FLEDOVSKY, M. Tobolsk, Siberia, Mann.—Boxes of birch bark.
- 321 STARTCHIKOFF, N. St. Petersburg, Mann.—Specimen of a patented gold tissue.
- 322 BOJLI, C. St. Petersburg, Jeweller.—Table, with glass-case, to exhibit jewellery.
- 324 DEMIDOFF, Messrs. Nijno-Taghisk-Siberia, Prop.—Copper vases.
- 325 LIKHACHEFF, P. St. Petersburg, Mann.—Gold-plated and silver-plated capulettes. Silver shoulder-knots.
- 326 IMPERIAL POLISHING MANUFACTORY OF EKATERINBURG, government of Perm.—Bordered vase of greenish jasper, three feet high.
- 327 IMPERIAL POLISHING MANUFACTORY OF KOLYVAN, government of Tomsk.—Jasper vases.
- 328 COMTE TOLSTOV, T. Vice-President of the Imperial Academy of Fine Arts, St. Petersburg, Sculp.—Electrotype and plastic medallions and casts. Medals in gutta percha, commemorative of the Turkish and Persian wars.
- 329 HEKE, D. Warsaw, Mann.—Copy of the Warwick vase in copper, hammered, not cast.
- 334 BELITSCHEFF, M. St. Petersburg, Inv.—Hair dye.

SARDINIA.

(Royal Commissioner in London, CHEVALIER LEWISIA, 124 Mount Street, Grosvenor Square, Messrs. LIGHTLY & SIMON, Fenchurch Street, Agents).

- 1 GRANGE, F. Randens, nr. Aiguebelle (Savoie), Mann.—Specimens of spathic iron from the mines of St. Georges des Hurlières, and of white crystallized casting for the manufacture of steel.
- 2 ZOLESI, S. Chiavari. Slate table polished and varnished; polished writing slate; roofing slates.
- 3 FIANELLO, D. Chiavari. Rough slate fourteen decimetres (5 ft. 6 in.) square.
- 4 SELOFS BROTHERS, Turin and Brozco (Ivrée), Mann. Specimens of sulphuric, nitric, and hydrochloric acids. Sulphate of iron, copper, alumina, and potass. Pyrites, sulphur, &c.
- 5 GIRARDI BROTHERS, Turin, Prop. Specimens of colseed, castor, linseed, and walnut oil.
- 6 ROSSI & SCHIAFFARELLI Turin, Mann.—Stearine candles; soap made of oleic acid; stearic acid; sulphate and carbonate of magnesia.
- 7 ALBAVI BROTHERS, Turin, Mann. Chemical matches. Gelatin and soda soap. Sulphuric acid, nitric acid, nitrate of barytes. Retort.
- 8 GIMOD, M. and Co. Aiguebelle, Mann. Gallic acid, extracted from chestnut wood.
- 9 GARRIBINI, P. Toirano, Genoa. Samples of orange wine.
- 10 SALDCE, M. Mann.—Peppermint, crystallized; great abeynthium, colourless; noyau, crystallized. Mastic.
- 11 CALLOUD, F. Anney, Mann.—Various chemicals.
- 12 BONJEAN, J. Chambéry, Mann.—Chemicals and apparatus.
- 13 DUFOUR, L. Genoa, Mann.—Samples of sulphate and citrate of quinine.
- 14 PROFUMO, J. Genoa, Mann.—Specimens of white lead.
- 15 SIMONE MANCU, LE CHEVALIER, Sassari, Prop.—Olive oil, of two kinds.
- 16 SCOLA, B. Turin, Mann.—Gelatin capsules, filled with balsam of copaiba.
- 17 PALLESTRINI BROTHERS, Villabissara (Lomellina) Prop.—Specimens of rice cultivated in Piedmont.
- 18 BLONDEL GASTOX, & Co. Turin, Prop.—Specimens of various qualities of rice.
- 19 BO, A. Turin, Mann.—Specimens of mineral colours, lakes and inks.
- 20 PREVER, J. J. Turin, Prop.—Specimens of raw Merino wool.
- 21 BÉTY BROTHERS, Pignerol, Prop.—Specimens of washed Merino wool.
- 22 CALVI, J. Genoa.—Linseed oil and cakes.
- 23 GUIDO, M. Nuoro, Prop.—Specimens of pure wax and white wax candles. Honey, soft and hard.
- 24 BRAVO, M. Pignerol, Prop.—Specimens of raw silks. Orgazine with thrown silk.
- 25 SUFFAGLIA BROTHERS, Bosesa, Prop.—Specimens of raw and thrown silk.
- 26 JACQUET, H. and Co. Latour, Luzerne, Prop.—Specimens of raw and thrown silk.
- 27 CASMA, & SONS, Novi, Prop.—Specimens of raw white silk.
- 28 VERTU BROTHERS, Turin, Mann.—Specimens of white thrown silk.
- 29 GALIMBERTI, C. Pella, Novara, Prop.—Specimens of raw silk.
- 30 RIGNON, F. & Co. Savigliano, Saluzzo, Prop.—Specimens of raw and thrown silk.

- 31 **MARINA, S. Nuoro, Prop.**—Black woolen yarn and raw wool. Coarse black woolen cloth. Olive oil.
- 32 **BOCCA, J. Turin, Manu.**—Two violins, after ancient models.
- 33 **BUFFON, A. Cluses (Savoy, Faucigny, Manu.**—Machines used in the manufacture of watches. Specimens of watch-work. High-pressure steam-engine. Measuring apparatus for railroads.
- 34 **ANNICI & FORT, Manu.**—Calicoes; handkerchiefs, Indian style; sarcoenet percalina.
- 35 **REY BROTHERS, Turin, Manu.**—Woolen cloth for carpets.
- 36 **The DIVISIONAL COMMITTEE of Nuoro.**—Coarse woolen cloth for petticoats, spencers, stockings, and breeches; black.
- 37 **FERRIETO, L. A la Rocca, Mondovì, Prop.**—Specimen of thrown silk.
- 38 **IMPERATORE, J. H. BROTHERS, Intra, Pallanza, Prop.**—Specimen of organzine silk.
- 39 **CARCHIOLOLA, J. and Co. Turin and Genoa, Manu.**—Plain and coloured velvets. Figured satins; silk gros; gros de Paris; glazed silk gros; and flowered damask.
- 40 **SOLST, B. Turin, Manu.**—Specimens of silk of different colours; white and coloured taffetas.
- 41 **GUILLOT, J. & Co. Turin and Genoa, Manu.**—Silk plush for hats; piece of velvet, lace drawing; velvet for tapestry; a set of foulards for robes.
- 42 **GUILLOT, J. & Co. Genoa.**—Silk velvets—black, ponce, blue, crimson, spring-green, ruby, emerald-green, &c.
- 43 **MOLINARI, A. Genoa.**—Black silk-velvet pieces, antique style; silk velvet, silk damask, satin stuff, &c., for furniture and hangings.
- 44 **DEFFERARI BROTHERS, Genoa.**—Fourteen patterns of silk stuffs and velvets.
- 45 **BORZONE, J. Chiavari.**—Two linen towels.
- 46 **DURIO BROTHERS, Turin.**—Samples of leather for soles and thongs.
- 47 **FARINA, A. Turin.**—Punches for small type; a set of punches for Roman, English, and German types.
- 48 **BATTO, J. Turin.**—Various qualities of lace.
- 49 **TRINADA, F. Genoa.**—Embroidered cambric handkerchiefs; ladies' black-lace mantles; patterns of lace.
- 50 **CROCCO BROTHERS, Genoa.**—Embroidered cambric handkerchiefs; frame for embroidery; woolen waistcoats.
- 51 **FORNO, J. Turin.**—Evening dress; groom's dress.
- 52 **GULLIA, J. B. Turin.**—Boots, for postillions; boots made of leather prepared with the hair on; and of calf's leather, without seam, &c.
- 53 **MAINTAUT, L. Engraver, Turin.**—Specimen of an engraved copper-plate.
- 54 **ROPOLO, P. Turin.**—A small gauge-iron door mounted on mechanical pivots.
- 55 **GRANZINI, J. Turin.**—Iron-bed with elastic mattresses, enclosed in a buffet. Model of a "bomb à diaphragm."
- 56 **BARRIE, J. Turin.**—Lock for coffers, with pierced mounting, and a key of only one piece.
- 57 **MONTIGNORI, C. Turin.**—Silver plate with the portrait of the Queen of Sardinia, &c.; portraits of Victor Emanuel II., King of Sardinia, chased on a silver plate, &c.
- 58 **LOLEO, J. Genoa.**—Works in silver filigree. Column ornamented with emblems intended to celebrate the era of the great Exhibition of 1851.
- 59 **BENNETT, J. Genoa.**—Figure, with a pedestal, of Christopher Columbus, in silver filigree.
- 60 **LENDY, N. Turin.**—Dies for stamping Dorini, a kind of gold medal worn by the peasant-women in Piedmont.
- 61 **BERTINETTI, P. Turin.**—Specimens of veneering and inlaid work.
- 62 **MARTINOTTI, J. Turin.**—A dressing-table, à angles, in rosewood.
- 63 **MARTINOTTI, J. Turin.**—Large wood frame, carved and gilt, for a looking-glass or picture.
- 64 **CAFFELLO, G. Turin.**—Cornice in pear-wood, carved. A table, a curule chair, and a pedestal; the property of H.M. the King of Sardinia. Mahogany round table on a triangular stem, with carved figures and masks; the upper part made of white wood, covered with velvet and fringed. The property of His Royal Highness the Duke of Genoa. A cabinet floor, inlaid with various foreign and indigenous woods.
- 65 **GRIVA, M. Turin.**—A rosewood article of furniture, forming a desk, a toilet, and a work-table for ladies.
- 66 **FERRILLI, A. Turin.**—A table-sofa, in rosewood and mahogany, carved and ornamented with Chinese marquetry.
- 67 **COGLIEREBO, R. Turin.**—Two light chairs (*trousses*), made of indigenous woods.
- 68 **CLAUDIO, J. Nice.**—An oblong drawing-room table in olive-wood, with mosaic.
- 69 **BISIO BROTHERS, Genoa.**—Round table, inlaid.
- 70 **MAGGI, F. Genoa.**—Round table, with inlaid drawers.
- 71 **SPERCH, P. Genoa.**—Ebony table, in the *russe* style. A *Pris-dieu* stool of Indisa walnut-tree, in a similar style.
- 72 **DESCALZI, J. Chiavari.**—Round table, inlaid with wood in imitation of marble. Round table, inlaid. Light Chiavari chairs. Looking-glass.
- 73 **DA FINO, J. B. and MONTACCOCO, A. Genoa.**—Console table, carved and gilt, with a marble slab.
- 74 **CANEPA, J. B. Chiavari.**—Chairs of white wood; others, coloured yellow. Gothic chairs of black and white wood.
- 75 **BOUROOIN, B. Turin, Manu.**—Specimen of blacking.
- 76 **CASTAGNETTO, E. Genoa, Manu.**—White cream of tartar.
- 77 **FISO, J. Turin.**—Specimens of various kinds of brushes.
- 78 **MONTU, J. & Co. Turin.**—Specimens of Piedmontese heath sprigs, for the manufacture of brushes; heath brushes for various purposes.
- 79 **BAFFICO, J. L. F. Genoa.**—Wooden vases, painted in imitation of Japan wares.
- 80 **STRADA, J. Turin.**—A set of tobacco-pipes and *porte-cigares* in white talc, carved and ornamented.
- 81 **VALDETTARO, J. Genoa.**—Fifty qualities of fine and superfine paste of vermicelli.
- 82 **ROMANENGO, G. Genoa.**—Boxes, containing candied fruits.
- 83 **COMBA, F. Turin.**—An elk (*Cervus alces*), from the Zoological Museum of Turin.
- 84 **ACQUARONE, J. B. Porto Maurizio.**—Liquid citric acid.
- 85 **BOZIO, A. Turin.**—The arms of the Royal House of Savoy, carved in wood.
- 86 **STEFANI, W. Turin, Prop.**—Two large silk embroidery tableaux.
- 87 **CAVIGLIOLI, C. Turin.**—Bronze medals cast with a tenth proportion of pewter.
- 88 **SPANNA, J. & Co. Turin, Manu.**—Specimens of artificial marble, prepared with granite and wood.
- 89 **CHIRIO & MIKA, Turin.**—A large volume, containing the history of Hautecombe Abbey.
- 90 **BONDRELLI, F. Nice.**—An obelisk covered with shells and other articles found on the sea-shore.
- 91 **PARINI, J. Nice.**—Study, in stucco, for a fountain.
- 92 **FERRIETO, J. B. Genoa.**—Marble statue, representing a Bacchante.

SCHLESWIG-HOLSTEIN.

(Agent in London, M. PILGHEIM, 14 Tavistock St.)

- 1 DIXON, G. Kiel.—Fire-buckets, fire-engine, hose, &c.
 2 HOLZAPFEL, C. Altona.—Fringe for curtains.
 3 LANGER, H. Altona.—Hair-work.
 4 MEYER, A. D. Altona.—Four tin jelly-moulds.

SOCIETY ISLANDS.

HER MAJESTY QUEEN, QUEEN OF THE SOCIETY ISLES.—

- 1 Eight fine hats, manufactured by women of the Society Islands. The tissue is formed of the leaves of the *Pacore*, a variety of the *Pandanus odoratissimus* of LINNÆUS.
 2 Five head-dresses (coronets), and eighteen pieces of tissue for ladies' bonnets. These are also made by women. The material used is the plant commonly known in these islands by the name of pia, arrow-root by the English, *Tacca pumilioides* (?) by botanists.
 3 Three pieces of white cloth, manufactured by the women of the Society and neighbouring Islands. In this manufacture they employ the bark of the young branches of the *Artocarpus* of LINNÆUS, commonly called the bread-fruit tree, and known to the inhabitants by the name of marou.
 4 A hinal or Indian vase, in which are kept the utensils which the Tahitians use during their repasts. The material used is of a remarkable tenacity.
 HUKTELL, M. French Colonist. A specimen of native coffee. A specimen of native cotton.

SPAIN.

(Agents in London, RAMON DE LA SAGRA, 34 Leicester Sq.; MANUEL DE YSAI, 5 Water Lane, Tower St. City; F. VILLANUEVA, 10 Golden Sq.)

- 1 CERRAN, J. R. Alava.—Ore from the Tomo-rostro mine. Calcined ore. Slag and iron, in different states.
 2 The INSPECTOR OF MINES of the DISTRICT of BARCELONA.—1 Galena, from the Government mines of Falset, province of Tarragona. 2 Auriferous quartz, from Culera, province of Gerona.
 3 The INSPECTOR OF MINES of the DISTRICT of BURGOS.—1 Gleanberite, from the mines of the town of Cerezo. 2 Crystallized sulphate of soda, and 3 Anhydrous, or calcined sulphate, from the gleanberite.
 4 GUADALAJARA.—Silver ore from Hiendelaencina.
 5 The INSPECTOR OF MINES of the DISTRICT of GUIPUZCOA.—Ten specimens of minerals, from the Guipuzcoas, including iron, galena, blende, lignite, &c.
 6 The DIRECTOR of the MINES of LIZARRE.—1 Sulphuret of lead, from the Arrayanes mine. 2 Lead after the first smelting from the above ore.
 7 PRATS, F. Alava, Prod.—Hydraulic lime.
 8 The INSPECTOR OF MINES of the DISTRICT of LA MANCHA, Prod.—Thirty-two specimens of minerals from La Mancha, including clay slate, sandstone, quicksilver, iron pyrites, cinnabar, barytes, calcareous spar, &c.
 9 The INSPECTOR OF MINES of the DISTRICT of MURCIA.—Specimens of eighty-four minerals, &c., found in the district of Murcia, including galena, sulphuret of zinc, iron pyrites, carbonate and sulphate of lead, litharge, alum, &c.

10 The DIRECTOR of MINES of RIO TINTO, Seville.—1 Grey copper, from the Preciosa mine. 2 Raw mineral ore, proceeding from the vein of double sulphuret of iron and copper. 3 Ore prepared by slow roasting, and exposed to the open air in piles, and worked by the damping process. 4, 5 Bar of forged iron, covered with a case of copper precipitated from the waters of the Rio Tinto. 6 Bars of fine copper, from the preceding.

11 The INSPECTOR of MINES of SANTANDER.—Copper pyrites, from the Constancia mine, town of Camaleño: the ore produces 20 per cent. of copper.

12 The MATEZ MINING COMPANY, Lobacio, Zamora.—Ore and regulus of antimony. Specimens of silver, lead, and other minerals.

13 The INSPECTOR of MINES of SARAGOZA.—Specimens of argentiferous galena, copper, antimony, antimonic galena, sulphuret of lead and antimony, and argentiferous copper.

14 The DIRECTOR of the FACTORY of S. PEDRO DE ARAYA, Alava.—Specimens of sparry-iron, red amethysts, fire sandstone, coal, charcoai, iron, raw, refined, drawn, &c.

15 The INSPECTOR of MINES of the DISTRICT of ALMERIA.—A collection of forty specimens of ores and minerals from the district of Almeria, including silver, lead, mercury, copper, and iron ores, and products; alkalies; marbles and clays.

15A LIZARRE LEAD MINING ASSOCIATION.—Lead ore.

16 The INSPECTOR of MINES of the DISTRICT of ASTURIAS, Oviedo, Prod.—Twenty-eight specimens of minerals, from the district of Asturias, including copper, cinnabar, lead, calamine, iron, coal, and marbles.

17 The INSPECTOR of MINES of GRANADA.—Twenty-three specimens of mineral productions, including marbles, serpentine, cobalt ore, sulphuret of copper, ores of lead and zinc, magnesia, gold sand, &c.

18 The INSPECTOR of MINES of the DISTRICT of LEON.—Eighteen specimens of minerals, from the district of Leon, including hydroxide and peroxide of iron, and chalk stone.

19 The SUB-INSPECTOR of MINES of LUGO.—1 Argentiferous ore. 2 Specimens of lead. 3 Specimens of tin. 4 Specimens of Kaolin, fire-clay and fire-bricks. 5 Crucibles and fire-bricks. 6 Fire-bricks. 7 Nickel ore, with its products, to the pure metal.

20 The INSPECTOR of MINES of MALAGA.—Eleven specimens of minerals from Malagar: galena of various sorts, magnetic iron ore, nickel, graphite, or black lead, pyrites of iron and copper, plastic clay, serpentine, Fuller's earth, &c.

22 The MINING INSPECTOR of the DISTRICT of ZAMORA, Prod.—Specimens of carbonate and phosphate of lead, argentiferous lead, silicate of antimony, laminated regulus of antimony, ore of oxide of tin, fire-clay, &c., ores of hydro-oxide of iron, carbonate of iron, sulphuret of lead, and carbonate of lead, and yellow rock crystal.

23 The LEONENSE ASTURIAN COMPANY, Asturias.—Specimens of steel.

24 ANCO, F. Cordova.—Iron from Villafranca. At this place the ore forms an entire mountain of considerable size.

25 GIM, J. Malagar, Prod.—Specimens of iron, from the works of El Angel.

26 THE PEDROSO IRON COMPANY, Seville.—Specimens of cast, red, and plate iron, and mineral coal.

27 VALEMIANO, F. Seville.—Specimen of fine copper.

28 IBAÑEA, J. M. Seville.—Mass of copper.

29 The INSPECTOR of MINES of the DISTRICT of PALENCIA, Province of Leon.—1 Coal, from the mines of the town of Barrucos. 2 Coke, from the same works: made in the open air.

30 The INSPECTOR of the MINES of SORIA.—Mineral asphalt, found in an extent of more than two leagues Spanish, impregnating sandstone layers of considerable thickness, which form the base of the mountain range of Pico-franques.

31 CORDOBA.—Specimens of marble: 1 Marble from Fuente de los Frailes. 2 Marble from the quarries of Aoebechal. 3 to 5 Marble from the same quarries, but differing in the colour. 4 Marble from the same, worked at the surface. 6 Marble from Lanchares. 7 Marble from the same place: very compact, and with few veins. 8 and 9 Marble from the quarries of the Cerro de Nuestra Señora.

32 HUELVA.—Samples of marble, from a quarry in the district of Fuente-heridos.

33 THE ROYAL LIBRARY at Madrid.—Marbles: Nos. 1—58 Different kinds. 6 From the River Pisuerga, Asturias. 7, 8 Catalayud, Zaragoza. 9 Tortosa. 10 Escay. 11 Ancorve (Navarre). 12 Sierra de Moncayo (Aragon). 13, 14 Calatrua. 15 Puebla de Arbroto. 16, 17 Cuenca. 18, 19 Alcarria de Irriepar. 20, 21 Cogolludo. 22 Lorontaras. 23 Cabrera (Siguerza). 24, 25 Unknown quarries. 26, 27 Caballar, Segovia. 28, 29 Montes de Toledo. 30 Bascosa de Talavera de la Reina. 31 Montes Claos. 32 Badragos (Castilla la Nueva). 33 Alabastro de Monasterio. 34—37 Valencia. 38 Murviedro, Valencia. 39 Calix, Valencia. 40 Almodovar. 41, 43 Murcia. 43—45 Granada. 46, 47 Malaga. 48, 49 Ronda. 50, 51, Cibra. 52, 53 Horca, 54 Balleu, 55 Estopa, 56 Aymonza, 57 Sierra de Geo, 58 Cordoba.—Andalucia. 59 Sierra Morena. 60—63 Consuegra (Mancha). 64—66 Orda, 67, 68 Villamayor, 69, 70 Puerto Lepiche, 71, 72 Salceda, 73 Manzanares. 74 Santander. 75—83 Espejon, 84, 85 Lastra de Cuellar, 86 Castro Mocho, 87 Leon.—Old Castilla.

33A ZULANTA, J. DE, Havannah.—Samples of sugar.

34 ZARAGOZA.—Marble, from Catalor; from Fuentes de Ebro; from Albama; from Roden.

36 THE ARANA SALT WORKS, Alava.—Common salt. Native crystallized salt.

38 ALICANTE.—Barilla.

39 ANGULA, I. Barcelona.—Specimen of Barilla. Sulphate of soda extracted from running waters in the immediate neighbourhood of Cervera.

40 ELIAS, M. Barcelona.—Nitro: the "sal gem" of English commerce.

41 CONCHA, A. Cáceres.—Phosphorite of Estramadura.

42 CADEX.—Crystallized sulphur, from the abandoned mine of Comil. Meerschbaum, from San Lúcar.

44 MAURANDY, D. A. J. Cartagena.—Specimens of alum manufactured by the exhibitor.

45 BENCANEAS, F. Corunna.—Cream of tartar. Bitartrate of potash.

46 SEMPERE, F. Elcho.—A lump of salsor, from the plant of the same name cultivated in the province of Elcho.

47 GRANADA.—Seed and stone barilla.

48 MANTEIRA, M. Lorca.—Native salt in crystals.

49 CUNYA, A. DE LA, Santander.—Sulphate of lime.

50 ZARALA, P. V. Vitoria, Prod.—Schweinford green. All the materials employed are of Spanish produce.

51 DURANGO Y TRIGO, Zaragoza.—Sulphur, from the mines of Teruel, &c.

52 PABDO Y BARTOLINI, Zaragoza.—Nitro.

53 MURCIA.—Barilla plant, very large specimen. Sulphurous earth and compact native sulphur, from the hills of Serrata, district of Lorca. Alum, refined. Selenite, from the Serrata hills. White lead. Stone barilla. Specimen of artificial sulphur, produced by Yust and Co., of Lorca.

54 BARCELONA.—Specimens of 105 indigenous plants, the greater part growing at Monserrat, Mosen, and Montjuich, and many peculiar to Catalonia.

54A OVIEDO, ASTURIAS.—Extracts of acornite, belladonna, lettuce, foxglove, orange-peel, and of sarsaparilla; honey of sarsaparilla; prepared sarsaparilla.

54B CANARY ISLANDS.—Euphorbia lathyris, known in the islands as *terrapuilla*, and squilla.

54C OVIEDO, ASTURIAS.—Prunus spinosa. Valeriana officinalis, root. Gentiana officinalis, root. Carqueja, flower. Digitalis purpurea, leaves. Carqueja, slips, with flower.

55 AMOR, F. Cordova.—Albarrana. Sarsaparilla.

56 GERONA.—Medicinal plants growing wild: Belladonna, pulsatilla, gentian, turbot, achemille vulgaris, digitalis purpurea, onosma echinoides, polygonum bistorta, cynoglossum, saxifraga granulata, arnica montana, arbutus uva-ursi, aquilegia vulgaris, and tormentil.

57 HUESCA.—Herbs used in medicine, which grow wild in the province: Sage, foxglove, camomile, aristolochia, liquorice, sarsagons, acornite or monk's hood, jacinth, wormwood.

58 PALANCA, M. R. Leon.—Violet flowers. Arnica flowers. Lime flowers. Lichen.

58A MALAGA.—Artemisia arborescens. Quercus turpilla. Atropa belladonna. Cotula aurea. Viola odorata.

61 BARTOLOME, M. Segovia.—Common sage.

62 DURANGO Y TRIGO, Zaragoza.—Lichen (*Cetraria islandica*). Wormwood. Sage. Arnica. Foxglove.

63 ACADEMY OF MEDICINE AND SURGERY, Zaragoza.—Lichen islandicus. Lichen pulmonalis. Salvia officinalis. Digitalis purpurea. Anthemis nobilis. Gentiana lutea. Valeriana officinalis. Aristolochia rotunda. Arnica montana. Atropa belladonna. Sarsaparilla. Liquorice.

64 TABALA, P. V. Vitoria.—Extract of acornite.

65 ALBACETE.—Samples of wheat.

66 BADILO, J. M. Ciudad Real.—Wheat of Ciudad Real, of two kinds—macho and caudeal—grown in the province.

67 GUERMAN, R. Ciudad Real.—Wheat of two kinds—jijona and caudeal—grown in the province of Ciudad Real.

68 ALMERIA.—Fine and rough sedge. Wheat from the Sierra de Filabres. Colocynth. Sage. Estacacodia, used as a spice, and for dyeing red. Common olive oil.

69 HUELVA.—Specimens of the best kinds of wheat grown in the province, which constitutes its principal riches.

70 CEA, J. A. Leon.—Wheat (called *mochó ó chamorro*), grown in the province of Leon.

70A NUÑO, D. Guadaluja, Prod.—Wheat.

70B—70C OVIEDO, ASTURIAS.—White wheat. White and yellow maize.

71 CEA, P. A. Leon.—Wheat (called *del Blanquillo*) grown in the province of Leon.

72 MACORRA, F. Malaga, Prod.—Wheat grown in the same province; the variety is known by the name of *recio ó claro*.

73 MEDINA DEL CAMPO, PEDROSA, AND GOMEZBARRO.—Wheat.

74 TORRES, M. M. Sevilla.—Wheat (called *cerrado de color*), grown in the province of Sevilla, from Arabal.

75 TERREÑO, J. Seville, Prod.—Wheat (called *pastor*), grown in the province of Seville, from Marebena.

76 FERNANDEZ DE CORDOBA, D. M. M. Constantina, Seville.—White wheat (known by the name of *papalina*).

77 GINOVEZ, J. Segovia.—Wheat (called *chamorra*) grown in the province of Segovia.

78 BRICERILL, A. Segovia.—Wheat, *caudeal*, grown in the province of Segovia.

79 VALENCIA.—Rice: common in husk, and white; moscado; long; superior. Wheat: white; from Alberique; canivano; red. Kars of nine varieties of rice. Four varieties of maize. Onions, white. Alubias del Pinet. Chufas. Mani. Tares.

- 80 NAVARRA, D. J. DE, Alcala.—Sample of white maize.
- 81 Barley, pearled, cultivated by D. Juan Colon, in San Lucas. Mustard seed, wild.
- 82 SALIDO, A. Ciudad Real, Prod.—Wheat (*caudex de rapa*), grown in the province of Ciudad Real. Gujfas ó pitos, pulse. Yeros, a species of lentil. Rye.
- 83 CASTELLON.—Maize.
- 84 PERAZIEL, E. Ciudad Real, Prod.—Cenchrus spicatus.
- 85 BENITO, M. Ciudad Real.—Panic grain, grown in the province of Ciudad Real.
- 86 GERONA.—Maize, of two kinds. Weld. Angelica. Valerian.
- 87 GRANADA.—Wheat, chabotto. Wheat fanfarrow lampino. Wheat, cachareta. White maize. Sugar canes from Alhambra.
- 88 HUESCA.—Cereals, pulse, and fruits grown in the same province: White wheat, wheat, beans, round beans, almonds, walnuts, and dried peaches.
- 89 JAEN.—Dried peaches from Alcaudete and Bedmar. Wheat from Alcala in Real and Ubeda.
- 90 BARRIENTOS, Malaga.—Maize, grown in the province of Malaga.
- 91 PIENOLA, M. Malaga, Prod.—Indian wheat, grown in the province of Malaga, cultivated in Churrizana. Batatin, sweet potato.
- 92 CASADO, J. P. Malaga.—Wheat grown in the province of Malaga (of the kind called *chamorro*). Almonds (of the kind called *larga*). Vetches (*algarroba*).
- 93 MURCIA.—Beans (called *pamieros*). Capsicum pepper, ground (called *de flor*). Flour. Madder root. Root of *Aschmann tinctoria*. Weld.
- 94 MURCIA.—Wheat; white wheat; and Panic grain of two kinds.
- 94 MONFORT, F. Torrente de Cinco, Prod.—Wheat, rye, and beans. Different grains peculiar to the same province. Dried figs and peaches.
- 95 MARTINEZ Y PEREZ, V. Valencia, Prod.—Rice grown in the province of Valencia.
- 96 FERNANDEZ VIZOLES, J. M. Valladolid.—Wheaten flour of first, second, and third qualities.
- 97 ZAMORA.—White wheat, from Hiniesta and Piedrahita de Castro. Beans, from Puebla de Sanabria. Flax, from Camarasa and Puebla de Sanabria. Weld, from Zamora. Lichen, from Puebla de Sanabria. Chamomile, from Villafraña.
- 98 ZARAGOZA.—Amber wheat. Yellow maize. Amber. Alubias de Moncayo. Dried peaches, from Calatayud. Walnuts, from Calatayud. Figs, from Caspe. Treacle, from grape-sugar. Saffron.
- 101 HUELVA.—Beans. Large acorns, and branches of the oak which produces them. Grana leirra, cochineal dye.
- 102 MALAGA.—Chick-peas, from Alfameta. Walnuts. Chestnuts. Almonds. Dried peaches.
- 104 GIL, V. Segovia, Prod.—Chick-peas.
- 105 VALLADOLID.—Garbanos, chick-peas, grown in the province.
- 106 PABLO Y BARTOLINI, Zaragoza.—Zaragoza, bryony, bound's tongue, viper's bugloss, mellilot and liquorice.
- 107 ALICANTE.—Almonds: *pestaneta*, *planeta*, *bianqueta*, bitter, &c. *Zabina* (*Soytum*).
- 108 PALMA.—"Majorca coralline."
- 109 VALDOSA, F. A. Cacabelos, Leon.—Dry chestnuts. Beans. Beans of superior quality. Various skeins of combed flax. Chestnuts.
- 110 THE AGRICULTURAL BOARD OF CASTELLON.—Branches of olive: variety, called *Motocirino*, *Morrudo*, *Fargo*, *Mano*, *Grosal*, *Bianco*, *Silvestre ó acobuche*, *Manzanillo*, *Colorado*, *Suillano*, *Ullastruco*, *Cayuello*.
- 111 THE AGRICULTURAL BOARD OF CORDOVA.—Dried figs. Olives. Zaragoza. Branches of olive. Mustard of Santaella.
- 112 ALVEAR, J. Cordova.—Prunes from Montilla.
- 113 ARAMBURG, G. Cordova.—Sweet-smelling prunes.
- 113a OVIEDO, Asturias.—Preserved fruits and sweetmeats.
- 114 ARAMBURG, G. A. Cordova.—Dried figs.
- 115 LABAT, M. Cordova, Prod.—Giant walnuts, of peculiar kind, grown in the province of Cordova; from Palma del Rio. Honey from orange-flowers.
- 116 CASADO, J. R. Malaga.—Muscatel raisins.
- 117 ENRIQUEZ, J. Malaga.—Dried figs.
- 118 OLMO, J. Malaga, Prod.—Prunes, cultivated at Priego. Dried figs.
- 119 MARGUET, J. Malaga, Prod.—Olives, cultivated in Alora and Casarabonella; they are very mild, and easily separated from the stone.
- 120 THE BOARD OF TRADE OF REUS.—Almonds.
- 120a OVIEDO, Asturias.—Hazel nuts, chestnuts, and walnuts.
- 121 ZANERANO, J. Seville, Prod.—Olives (of the kind called *de figura*).
- 122 CABARE, M. Seville.—Olives (of the kind called *moncanelles ó la reina*).
- 123 DE LEBACA, J. J. Seville.—Giant olives from Padron.
- 124 BOARD OF AGRICULTURE, TARRAGONA, Prod.—Almonds. Hazel nuts.
- 124a BADAJOZ.—Sweet acorns.
- 126 PHILIPPINE ISLANDS, Manila.—Specimens of cigars and cigarettes of the various kinds manufactured in the central factory of Manila.
- 126a GOMEZ, A. B. Havannah.—Various kinds of cigars.
- 126b GONZALEZ, C. M. Havannah.—Samples of cigars.
- 127 MANSO, R. Logrono, Prod.—Preserved capsicums.
- 127c FERNANDEZ, D. F. Havannah.—Paper cigarettes.
- 128 MREAT, G. Salamanca.—Two packets of superfine starch, in stick and powder.
- 130 HUESCA, Mann.—Chocoliste.
- 132 BECK & Co. Seville.—Liquorice paste. Liquorice root.
- 133 VARGUES, Y. Seville.—Liquorice.
- 135 ENRIQUEZ, J. N. Velez Malaga.—Refined sugar, from the cane grown in the neighbourhood of Malaga. Made at the works of N. S. del Carmen, recently established at Torre del Mar.
- 136 MARTINEZ, S. Vitoria, Mann.—Sweetmeats made from different fruits.
- 137 MOLERA, A. Ciudad Real.—Virgin honey, from El Moral de Calatrava.
- 138 ARAD, M. Cordova.—Honey of orange flowers.
- 138a COLMENERO, F. Guadalajara, Prod.—Honey in the comb and clarified. White and yellow wax.
- 138b ESCUDERO, C. Guadalajara, Prod.—Honey in the comb.
- 138c CENTENERA, E. Guadalajara, Prod.—Honey in the comb.
- 139 COSTE, D. V. Corunna.—Beef, first and second quality. Bacon, best, with and without bone. Pork, cured in the American manner.
- 139a SARTO, Dr. C. Havannah.—Chemical products.
- 139b OVIEDO ASTURIAS.—Hams, from Aviles.
- 139c HUELVA.—Honey from Hinojos; chief produce of the place.
- 144 BENJUMEA, J. M. Seville.—Honey from orange flowers.
- 145 FLORES, CALDERON, & Co. Burgos.—Resins and spirits of turpentine.
- 146 CAJALES, J. Malaga.—Essence of lemons.

- 147 **CORDOBA**.—Olive oil, produced from the wild olive.
 147A **OVIEDO Asturias**.—Nut oil.
 148 **MONTFRINO, C. S. Estremadura**.—Olive oil.
 149 **ZAYAS, J. Vega, Granada**.—Olive oil, from the village of Niguelas.
 150 **FERNANDEZ, M. Malaga**.—Olive oil, filtered.
 151 **MURICIA**.—Linseed oil, made in Lorca.
 152 **SEVILLE**.—Olive oil, of the best quality made in the province.
 153 **DIEZ, RIVERA, Santa Fé, Granada**.—Olive oil. Combed hemp.
 154 **THE BOARD OF AGRICULTURE, Valencia**.—Olive oil of two qualities, produced by D. Vicente, Tortosa; olive oil, produced by D. José, Cantaxosa.
 155 **THE COURT OF SORRADELL, Zaragoza**.—Olive oil.
 156 **GHEKERT, J. Alicante**.—Gualda dye or weld, a yellow dye.
 157 **CADIZ**.—Madder root, from San Lucar.
 159 **CABELLO, DA. E. Ciudad Real, Prod.**—Samples of saffron.
 160 **METZLANZ, Z. Cuellar**.—Madder.
 160A **CANARY ISLANDS**.—Samples of madder, powder carmine, prepared from the same. *Roseda luteola* (Gualda).
 161 **VALLADOLID**.—Madder, in plant, powder, and extract.
 162 **SIBOVILLA, R. Segovia**.—Specimen of madder.
 163 **MATZLANZ, A. Segovia**.—Madder in powder.
 164 **MARTINEZ, D. Seville**.—Weld.
 165 **TORRELORATON**.—Sumach (*Rhus*).
 166 **MARCOZ, J. Valladolid**.—Extract of madder.
 167 **THE AGRICULTURAL BOARD OF ZARAGOZA**.—Vegetable dyes, from cultivated and wild plants:—1 *Alasor*. 2 Madder. 3 Sumach. 4 "Pastal" blue. 5 "Gualda."
 169 **CALDERON, J. Granada**.—Hemp, raw and combed. Flax and hemp seeds.
 169A **CASTELLON**.—Raw hemp.
 169B **MURCIA**.—Linseed. Cleaned hemp. Samples of hemp, unbroken and cleaned.
 169C **ZARAGOZA**.—Hemp from Calatayud, raw and cleaned. Flax, from Borja.
 169D **MARTINEZ, P. Valencia, Manu**.—Samples of hemp cordage, thread for sail-making, sail-cloth, and cotton stuff.
 170 **SAGRA, RAMON, DE LA**.—Trunk of the plant *Lagetta lintearia*, showing the textile substance of the interior bark. Cord made from the fibres of the same. Cord and mat made from the textile fibres of the leaves of the palm and majagur. Yarn, extracted from the senegal hemp, and cord made from the same yarn.
 171 **HUESCA**.—Vegetable productions used in manufactures:—11 Rush or grass, 12 flax, and 13 hemp.
 172 **PIÑAN, J. Lodon**.—Flax, uncombed.
 174 **VINAS, A. Puerto Rico**.—Fibre from the trunk of the plantain tree, in its raw state.
 175 **HERAS, DE LAS, Segovia**.—Raw flax; flax combed.
 176 **WILLIAMS, J. B. Seville**.—Raw cotton, growth of the province of Seville.
 178 **RIPALDA, COUNT, Valencia**.—Combed hemp.
 181 **GUINAERT, J. Seville, Manu**.—Corks and bungs.
 181A **GERONA**.—Cork, in sheets.
 181B **THE AGRONOMICAL CABINET OF THE BOTANICAL GARDEN, Madrid**.—Specimens of woods, 225 in number, employed for furniture and ornaments, the produce of the Island of Cuba.
 182 **PARENEN, J. A. Havannah**.—Trusses of several sorts.
 182A Collection of specimens of Woods employed in the Island of Cuba for construction and other purposes. Sent from Madrid. The list taken from the Botanical Section of the Natural and Political History of the Island of Cuba, by M. RAMON DE LA SAGRA.
- 183 **THE ECONOMICAL SOCIETY OF MANILLA**.—Collection of 213 different species of wood growing in the Philippine Islands. Collection of the different qualities of the tobacco-leaf employed in the government factories in Manila and other places. The leaf of Cagayan is the only one manufactured for exportation.
 184 **MUNICIO, V. Coala, Segovia**.—Specimens of wool.
 186 **MONTFRINO, S. Seville**.—Samples of fine wool, unwashed.
 186A **HUELVA**.—Fine wool, from the flocks fed in the Sierra de Andevalo.
 187 **THE ECONOMICAL SOCIETY OF TUDELA**.—Wool (called *churra*).
 187 **BARRASA, M. Valladolid**.—1 White wool, washed. 2 The same, carded. 3 Brown wool, washed. 4 The same, combed.
 187A **TARAGOZA**.—Black and white wool, and worsted, from Ejes.
 187B **HERNANDEZ, J. Madrid, Prod.**—Black and white wool.
 188 **DEIGADO, DE D. Zaragoza**.—Hare and rabbit fur.
 189 **EL BARON DE FINESTRA, Alicante**.—Skein of silk.
 189A **CANARY ISLANDS**.—Silk from the *Marselles* and the *Trovolino* worm, and from the two varieties crossed.
 189B **PUNALA, F. Valencia, Prod.**—Skeins of silk, of 4, 5, 6, and 7 cocoons.
 189C **GONZALEZ, S. Valencia, Prod.**—Skeins of silk, of 4, 5, 6, 9, and 14 cocoons.
 189D **MURCIA**.—Silk-worm gut, for fishing, first and second qualities.
 189E **ALMANIA, D. Murcia**.—Silk.
 192 **CRUZ, DE LA S. Santa Cruz de Tenerife**.—Silk. Cochineal.
 192A **BERENGUER, J. B. Valencia, Prod.**—Cochineal.
 193 **MONTFORT, F. Torrente de Cinca**.—Silk produced in the district. Silk from different worms, called *Trovolinos*, *de Raika*, and *Turquia*.
 193A **MURCIA**.—Skeins of spun silk. Chain of double spun silk. Skein of spun silk, 5 in Piedmont, &c.
 196 **MEXON, E. Malaga**.—Specimens of cochineal.
 197 **ALCAIDE, D. M. G. Malaga**.—Cochineal.
 199 **CARRERAS Y ALBERICHT, J. Barcelona**.—Combs for weaving.
 200 **DEU, G. Barcelona, Manu**.—Cards for weaving.
 201 **ALEMAN, P. Escaray, Manu**.—Cards for weaving.
 202 **SANTACHER, J. Barcelona, Manu**.—Wire cloth. Specimens of the various kinds manufactured by the exhibitor. Pair of paper moulds.
 203 **ROYAL ORDNANCE OFFICE, Onate, Manu**.—1 Howitzer of wrought-iron, 16-inch calibre. 2 Mortar of wrought-iron, 9-inch calibre.
 204 **ROYAL CANNON FOUNDRY, Seville**.—A long howitzer, 9-inch calibre.
 206 **ZULOAGA, E. Madrid, Manu**.—Two pairs of pistols and two hunting-knives, with their appurtenances, made of forged iron, with reliefs, incrustations, and damascenes. Cavalry sword damascened with gold and silver. Double-barrelled gun, mounted in the English fashion. Gun, mounted in the Spanish fashion.
 209 **ROYAL ORDNANCE, Placencia**.—An infantry percussion musket and bayonet.
 210 **ROYAL ORDNANCE, Toledo**.—Nine sword and sabre blades as used in the army. Ancient halberd, engraved and gilt. Dagger, enamelled and gilt. Case, with a silver blade, in form of a serpent.
 211 **YRASI, M. DE, Toledo**.—Sword, in the form of a serpent, of extreme elasticity.
 211A **IBARRAZAL, G. Biscay, Manu**.—Two fowling-pieces.
 211B **ARETIO, C. Biscay, Manu**.—Two fowling-pieces.

- 211c GARATE, M. DE, Biscay, Mann.—A six-barrelled pistol.
- 212 OFFERS, E. Malaga, Mann.—Optical instruments.
- 214 GALLINOS, J. Malaga, Inv. and Mann.—Guitarra harpa.
- 215 CORT Y MARTI, P. Madrid, Inv. and Mann.—Orthopedical apparatus. Lasts.
- 216 LEON, J. Madrid, Mann.—Artificial teeth.
- 216a SANTOS Y DIAZ, Havannah.—Specimens of marbles.
- 218 THE CORPORATION OF LOCEXA, Castellon, Mann.—A fulled cloth mantle.
- 219 THE CORPORATION OF MORELLA, Mann.—Travelling bags of canvas. Travelling mantle. Two sashes.
- 223 MARQUETT, J. Barcelona, Mann.—Spun silk.
- 224 CASTELLA, J. Esparraguera, Mann.—Specimens of sail-cloth.
- 225 GARCIA, J. Aluscia, Mann.—Specimens of spun silk.
- 226 FERRER & Co. Roda, Mann.—Line flax and silk thread.
- 227 REY & Co. Talavera, Mann.—Spun silk.
- 228 MONFORT, F. Torrento del Ciuco Huesca, Mann.—Silk thread.
- 230 BOARD OF AGRICULTURE, Valencia, Mann.—Spun silk.
- 231 TRENOR, T. Valencia, Mann.—Specimens of spun silk.
- 232 REYNOSE, M. Valladolid, Mann.—Spun silk.
- 233 GENEZ, J. Villa Real, Mann.—Specimens of spun silk.
- 234 ALCALA (the widow) & SON, Talavera, Mann.—Silk thread. Silk stuffs.
- 234a OODONA, V. Valencia, Mann.—Samples of silk stuffs for draperies. Brocatel. Dress pieces of Chinese and damasked gros. Velvet. Waistcoats of fancy velvet. Damasks, velvets, square pattern.
- 234b DOTRES, GASPER, & Co. Valencia, Mann.—Samples of spun silk, white and yellow.
- 234c ROJO, J. Barcelona.—Specimen of silk stuff, called "Christus."
- 235 AMIGO, R. Barcelona, Mann.—Pieces of silk stuff for umbrellas.
- 236 CASTILLA, DE, Seville, Mann.—Specimens of silk stuff.
- 240 MANUFACTURING CO. OF THE GUILDS, Talavera and Escaray, Mann.—Silk and gold stuffs.
- 242 ROYAL ARSENAL, Cartagena, Mann.—Rigging. Sail canvas.
- 243 ESCUDERO Y GONZALEZ, Cerova del Rio, Mann.—Sail-cloth.
- 244 MANUFACTORY OF ISABEL II. Fertol, Mann.—Linen. Canvas.
- 245 CALDERON, J. M. Grenada, Mann.—Specimens of spun silk.
- 246 THE CORPORATION OF CASTELLON, Mann.—Hemp socks. Mule furniture. Limens. Cables. Cordage. Leashings. Pack thread.
- 249 VIGNAUX, L. J. Barcelona, Mann.—Curried skins, for bootmakers. Enamelled leathers, for shoes. Glazed skins, for hatters. Leather, for saddlers, and coach and harness makers.
- 249a ROJO, S. Barcelona, Mann.—Prepared fine skins, of various colours and gilt.
- 250 ROMANT Y MIRÓ, A. Molins de Rey, Prod.—Samples of hand-made paper, called "de marca mayor." Other papers, called "de merquilla" and "marca regular."
- 251 FITZ, J. Barcelona, Mann.—Blonds: Large kerchief of black blonde with flowers; mantilla of black blonde. Black and white blonde veils.
- 252 MARGARET & EWA, Barcelona, Mann.—Black lace scarf. Dress, composed of skirt, body, sleeves, &c. White blonde veil. Mantillas of black blonde, &c.
- 253 The ALCALDE of Santa Maria de Nieva, Segovia, Mann.—Coarse woollen cloth for winter clothing, of first and second quality.
- Oviedo, Asturias.—Jet, in the natural state, and polished, from the district of Villaviecosa. It is manufactured into various articles which are sold in the neighbourhood.
- Canary Islands.—Carbonate of soda, extracted from the Salsola soda, which is produced in great abundance in these islands. Carbonate of soda (native mineral).
- 253a SASTRE, C. Lorca.—Woollen cloth.
- 253b MENDES, J. J. Lorca.—Woollen cloth.
- 253 GILBERT, R. D. Madrid, Des. and Mann.—Shield of the royal arms of Spain, in silk, gold, and silver. The baby-linen made for the late Prince of Asturias.
- 253c CRUZ DE ARCAS, D. Lorca.—Woollen cloth.
- 253d MORENO BROTHERS, Antequera, Mann.—Baisers.
- 253e TRUERA Y CAMPO, Santander, Mann.—Woollen cloth, from the factory at Benedo.
- 254 MIE BROTHERS, Barcelona, Mann.—Lace trimmings.
- 255 YRABURN, G. Madrid, Mann.—Decorations.
- 256 BELMONTTE, R. NAVES Frias, Mann.—Two felt hats.
- 258 VILLARDEL & CALLEJAS, Valladolid, Mann.—Kid gloves; lambskin.
- 259 YBURN, J. Plasencia, Mann.—Files.
- 260 CALLEJO, J. Madrid, Mann.—Locksmith's work.
- 261 BARCHES, A. Madrid, Mann.—Skirtups.
- 262 SANCHEZ PASCADOR, J. & FOMAN, M. D. Madrid, Mann.—Bedstead of cast steel, with bronze ornaments, chased and gilt.
- 263 MARQUEL, J. DE, Madrid, Mann.—Iron bedsteads and bed-room stand, with gilt and inlaid ornaments.
- 264 MORATILLA, F. Madrid.—Tabernacle, silver-gilt, inlaid with precious stones.
- 265 ZOTRAGA, E. Madrid, Mann.—Case, to contain a title nobility of Castille, of wrought-iron, with reliefs, incrustations, and Damascus-work of gold and silver.
- 266 YASU, M. DE, Toboso, Mann.—Large earthen wine-jar, manufactured in the village of Toboso, in La Mancha.
- 266a YEASU, M. DE, Chiclana.—Alcartaza, or porous water-bottle.
- 267 THE AGENCIA Co. Madrid, Prod.—Fire-bricks.
- 268 TEJER & Co. Segovia, Mann.—Pavement-tiles.
- 269 GONZALEZ VALLS, R. Valencia, Mann.—Twenty-two frames, with 204 glazed tiles.
- 270 MIZONA, M. Madrid, Prod.—Secrétaire, with inlaid work.
- 271 PEREZ, —, Barcelona, Inv. and Mann.—An octagonal table of inlaid wood, containing 3,000,000 pieces, the arms of England alone, in a space of 3 inches by 2, consisting of 53,000. This branch of industry has been introduced by the exhibitors.
- 272 The APOLYTONENSE Co. Madrid, Mann.—Apoolizoo and artificial marble.
- 272a SETTIER, B. Valencia, Mann.—Thirty-three samples of straw-hats.
- 273 The ECONOMIC SOCIETY (AMIGOS DEL PAN), Biazas Islands, Phillippine Isles.—Piece of "yloylo" stuff. Various pieces, for a blouse. Piece of "jusi," and a shawl of "jusi;" both worked.
- 274 ISLAND OF LUZON.—An apron; handkerchiefs; camisets; collars and cuffs, embroidered. Dresses and shawls, with checks and stripes woven with "jusi." Cigar-cases: crown of a hat, made of the filaments of "bejuco." Soap made from pure palm-oil.
- 274a HAMMOND, N. F. & Co. London.—Embroidered Piná muslin dress and handkerchiefs. Pieces of striped Jusi dresses.

23 Piece of linen, such as is made in hand-looms by the peasantry in Angermanland.

24 CASPARSSON & SCHENDT, Stockholm, Sweden, Manu.—Specimens of silk, viz.: *a* Satin. *b, c* Moire façonné. *d* gros de Naples. *e* Black gros de Naples. *f* A shawl. *g* A neck-handkerchief.

25 MEYERSON, L. Stockholm, Sweden, Manu.—Specimens of silk, viz.: *A* Brocatelle, from silk produced in Sweden. *i, k* Taffetas quadrillé. *l* Gros de Naples. *m* Four shawlettes.

26 Samples of cotton goods, made in hand-looms, by the peasantry of the province of Westergöthland, without any dressing.

27 FURSTENSTOFF, EKMA, Stockholm, Sweden, Manu.—Specimens of artificial flowers, executed in wax and other materials, for the purposes of ornament as well as botanical study.

28 HANSEN, SOPHIE, Halmstad, Sweden, Manu.—Needlework embroidery on muslin, representing the royal palace of Ulriksdal, near Stockholm.

29 HORN, Mrs. Halmstad, Sweden, Des. and Manu.—An embroidered pocket-handkerchief.

30 ALMGREN, K. A. Stockholm, Sweden, Manu.—A portrait of King Oscar, woven in silk.

31 HILLMAN, ADOLF, Gäfte, Sweden, Prop.—Statue in marble, representing a shepherd boy. Executed at Rome by Mr. Molin, a Swedish sculptor.

SWITZERLAND.

(Commissioner in London, Dr. BOLZKY, 33, Finsbury Square.)

1 NEUBAU and BLOECH, Bienna, Manu.—Iron wire for making cards.

2 SOCHARD, P. Neuchâtel, Inv. and Manu.—Specimens of chocolate.

3 KRIGEL, F. A. Couvet, Canton of Neuchâtel, Inv. and Manu.—Pivot and depthning tool.

4 ERBRAN, J. Travers, Canton of Neuchâtel, Manu.—Turning, pivoting, depthning, and other tools.

5 JEANNER, F. Locle, Canton of Neuchâtel, Manu.—A rifle, with steel barrel.

6 BANDELIER, P. F. Locle, Canton of Neuchâtel, Inv.—Four watch-springs.

7 LUBOD BROTHERS, Canton of Vaud, Manu.—A repeating watch.

8 GRANDJEAN, H. Locle, Canton of Neuchâtel, Inv. and Manu.—Pocket chronometers. Gold hunting and other watches.

9 DUBON, F. W. Locle, Canton of Neuchâtel, Inv. and Manu.—An astronomical clock, with lever escapement. A marine chronometer, on a new calibre.

10 BRANDT, F. E. Locle, Canton of Neuchâtel, Manu.—A pocket chronometer, with thermometer.

11 FAVRE, B. A. Locle, Canton of Neuchâtel, Inv. and Manu.—Instrument for determining the epicycloidal curve of the teeth of wheels and pinions.

12 VUILLEUMIER, DE LA R. Tramelan, Canton of Berne, Manu.—A repeating watch and clock. An eight-day watch. Ladies' and other watches, &c.

13 BOVET, F. Waldenbourg, Canton of Bâle, Inv.—A watch, going one year. A gold watch, *l'épave* movement.

14 BAUS & COLOMB, Chauxdefonds, Canton of Neuchâtel, Manu.—Gold engine-turned watches.

15 MERMOD BROTHERS, Sainte Croix, Canton of Vaud, Manu.—A gold watch, size about one inch, &c. Gold watch to go eight days. A chronometer. Gold and other watches.

16 DELX, M. Sonvilliers, Canton of Berne, Manu.—Two gold watches.

17 KOFF, H. F. J. Travers, Canton of Neuchâtel, Manu.—A repeating watch, &c.

18 FERRER, A. Brenets, Canton of Neuchâtel, Inv. and Prop.—Improved pocket-clock.

19 BOKEL, H. J. Chauxdefonds, Canton of Neuchâtel, Manu.—Two travelling clocks, called imperials.

20 MOEKE, F. jun. Brenne, Canton of Berne, Manu.—A gold watch.

21 FERRER & SOU, Locle, Canton of Neuchâtel, Manu.—Several watches, in gold and silver cases.

22 AUDEMARS, L. Brassus, Canton of Vaud, Manu.—A watch with two dials, showing the phases of the moon, &c. A clock watch. Repeating watches. A pocket chronometer, and other watches. A pistol.

23 FAVRE, H. A. Locle, Canton of Neuchâtel, Inv. and Manu.—Pocket chronometers. A chronograph for taking the time of observations. Seconds watch.

24 GROSCLAUDS, C. H. Fleurier, Canton of Neuchâtel, Inv. and Manu.—Two open-faced watches.

25 LECOULTRE, A. Sentier, Canton of Vaud, Inv. and Manu.—Pocket chronometers. Watch movements and pinions.

26 PAILLARD, E. & A. BROTHERS, Sainte Croix, Canton of Vaud, Manu.—A musical box; mandoline. Musical snuff-boxes.

27 JACCAUD BROTHERS, Sainte Croix, Canton of Vaud, Manu.—Musical snuff-boxes.

28 VAUCHER, C. Fleurier, Canton of Neuchâtel, Manu.—A watch, with equations of time, &c.

29 EVARD, E. P. St. Blaise, Canton of Neuchâtel, Manu.—A gold watch.

30 GIRARD, P. Chauxdefonds, Canton of Neuchâtel, Manu.—A travelling clock.

31 BOCK, H. Locle, Canton of Neuchâtel, Manu.—Watches in silver cases.

32 LECOULTRE & SOU, Brassus, Canton of Vaud, Manu.—A large musical box.

33 JACQUES & SOU, St. Croix, Canton of Vaud, Manu.—Musical boxes; mandolins. Other boxes.

34 COURVOISIER, F. Chauxdefonds, Canton of Neuchâtel, Manu.—A gold pocket-chronometer. A gold hunting-watch. Gold watches of various descriptions.

35 BOVET & Co. Neuchâtel, Manu.—Cylinder prints. Handkerchiefs, jaconots, dress and furniture prints.

36 VAUCHER, DU PASQUIER & Co. Cortaillod, Canton of Neuchâtel, Manu.—Cotton prints, jaconots and muslins.

37 BOKEL, BOYER, & Co. Neuchâtel, Inv. and Manu.—Mixed fabrics of thread and wool, &c.

38 JEANNERET BROTHERS, Neuchâtel, Inv. and Manu.—Basket. Hats and caps. Ladies' bonnets, &c.

39 FERRER, CHARLOTTE, Locle, Canton of Neuchâtel, Manu.—A piece of wide lace.

40 BESSON, A. D. Couvet, Canton of Neuchâtel, Manu.—White blonde.

41 MATHEY & SOU, Locle, Canton of Neuchâtel, Manu.—A cylinder of rolled steel, for watch springs.

42 SCHNEITZER, J. D. Tavannes, Canton of Berne, Inv. and Prod.—Map of Switzerland in relief.

43 DUBOIS, A. Chauxdefonds, Neuchâtel, Des. and Eng.—Gold plate, exhibiting ornamental designs for watch-making, jewellery, &c.

44 PATTON, J. Chauxdefonds, Neuchâtel, Artist. A gold plate, exhibiting letter-engraving in a new style.

45 KUNDELT, F. Chauxdefonds, Neuchâtel, Artist.—Engraved gold plates, representing Swiss subjects.

46 GRANDJEAN, P. H. Chauxdefonds, Artist.—Engraving on gold, applicable for watches, jewellery, &c.

47 FISCHER, J. Schaffhausen.—Ingots of meteor steel, and articles made of the same.

48 LAUTERBURG, F. 16 Rue de l'Arsenal, Berne, Prod.

- 119 **BRAENDLIN BROTHERS**, Rapperschwyl, and **HURLIMANN, J.** Richterschwyl-Uznach, Canton of St. Gall, Mann.—Three large ropes of cotton warp, spun from Egyptian maha.
- 120 **BUCHLER & SONS**, Rollbruner, Winterthur, Canton of Zurich, Mann.—Cotton-yarn.
- 121 **CLAS (VON)**, C. S. Winterthur, Canton of Zurich.—Specimens of cotton yarn warp.
- 122 **FEHR, J. C.** St. Gall, Mann.—Jaconet. Gauze; figured muslin; bobbinet shawl; muslin dress.
- 123 **GREUTER & RISTZ BROTHERS**, Winterthur; Canton of Zurich, Mann.—Turkey-red printed calicoes; and union check. Hankerchiefs.
- 124 **HEINZEL, J.** Berthoud, near Berne, Mann.—Cotton canvas and fine Java, coloured and striped. New canvas.
- 125 **HURLIMANN, J.** Richterschwyl, Canton of Zurich, Mann.—Red and brown printed chintz. Jaconets, for ladies' dresses. Muslin.
- 126 **IMHOOF, B.** Winterthur, Canton of Zurich, Mann.—Specimens of cotton yarn warp.
- 127 **IMHOOF, BRUNZER, & Co.** Winterthur, Zurich, Mann.—Muslins.
- 128 **KUNZ, A.** Uster, Canton of Zurich, Mann.—Yarns, twists, &c. Thread for ribbons; sewing thread; woollen cloth.
- 129 **LAUTERBURG, J. & Co.** Langnau, Canton of Berne, Mann.—White drill, cotton and thread; cotton; and mixed coloured.
- 130 **LEHMANN BROTHERS**, Mattweil, Canton of Thurgovie, Mann.—Turkey-red and rose-dyed cotton yarns of different numbers.
- 131 **NAEP, M.** Niedergwyl, Canton of St. Gall, Mann.—Morcos, half cotton; luting, satined; hakirs; gingham, &c.
- 132 **RISTZ, T. J. & Co.** Winterthur, Canton of Zurich, Mann.—Cotton yarn.
- 133 **RUELI, A. F.** Wangen, near Berne, Prod.—Spun cotton, dyed red.
- 134 **SCHNEIDER, G.** Hard, near Zurich, Mann.—Handkerchiefs printed on both sides.
- 135 **SCHLAEFFER, J.** Herisan, Canton of Appenzell, Mann. and Imp.—Plain muslin.
- 136 **SCHMID, H.** Gattlickon, Canton of Zurich, Mann.—Cotton yarn warp and woof.
- 137 **SCHWARZ, H.** Rickon, near Winterthur, Zurich, Mann.—Specimens of cotton yarn.
- 138 **SPRINGGER, J. J.** Schaffhausen, Imp.—Hand-spun yarn.
- 139 **STORZENEGGER-NEP, L.** St. Gall, Mann.—Printed cravats on jacconets; jacconets, steam-dyed, &c.
- 140 **VONWILLER, U. DE G.** St. Gall, Imp.—Plain white tartan and muslin. Fancy muslin dresses; figured muslins; spotted jacconets, &c. Collars and pocket handkerchiefs. Embroidered collars and veils.
- 141 **WALTY BROTHERS**, Schöftland, Canton of Argovie, Mann.—Silk handkerchiefs, cravats, cords, &c.
- 142 **WINKLER, T. C.** Friedthal, Canton of Zurich, Mann.—Cotton yarn chain.
- 143 **ZAHNER & SCHENZ, Herisan**, Canton of Appenzell, Mann.—Tartan, crochéd; muslin curtains and nets; bathiste handkerchiefs, embroidered.
- 144 **ZELLER, H.** Zurich, Dyer.—Spun cotton, Turkey-red dyed.
- 145 **ZELLWEGER, S.** Trogen, Canton of Appenzell, Imp.—Glazed jacconets, woven from Swiss-twist.
- 146 **ZIMMEL, T. & Co.** Winterthur, Mann.—Merinos, prints, cottons, and yarns red dyed.
- 147 **BILLETTER, Z.** Herzogenmulle, Zurich, Mann.—Specimens of cotton yarn.
- 148 **CURTZ & SCHACHTLER**, Altstäden, Canton of St. Gall, Mann. and Imp.—Orleans quadrillé; façonné, and broché; half silk broché.
- 149 **ESMER, F.** Winterthur, Canton of Zurich, Mann.—Mixed coloured cassinets.
- 150 **KELLY, J. J.** of Mettendorf, near St. Gall, Mann.—Turkey-red cloth and prints.
- 151 **MUELLER, FLOESS, & Co.** Zofingen, Canton of Argovie, Mann.—Merinos, tartans, and poll de chevre, half wool; and various mixed fabrics.
- 152 **MANUFACTURERS OF SILK RIBBONS**.—Twenty-one glass cases, containing 2,314 specimens of ribbons, from the following houses:—
Koechlin & Sons, Bâle; H. A. Senn & Suter, Zofingod; Jean Franç. Sarasin, Bâle; B. di B. Strachelin, Bâle; Sulger & Struenkelberger, Bâle; Buxtorf & Bischoff, Bâle; Freres Bischoff, Bâle; T. F. & T. Frey, Arau; Charles Ryhiner, Bâle; Lui. Preiswerck, Bâle; Siber Bischoff, Bâle; Richter Linder, Bâle; T. De Bary & Bischoff, Bâle; Sarasin & Co. Bâle.
- 153 **FORTY-TWO MANUFACTURERS OF SILK STUFFS**, Canton of Zurich.—Silk stuffs. Velvet for waistcoats, aprons, handkerchiefs. Exhibited for cheapness and quality.
- 154 **ALZOTT, T. S. & Co.** Basle, Inv.—Samples of spun silk for foulards; and damask silk, and wool, made of silk wastes.
- 155 **GOETS, F.; WEGNER, T. R.; MULLER, F.; ROMAIN, jun.** Bâle Silk-dyers.—Specimens of silk.
- 156 **BAENZIGER, KOLF, & Co.** Ebnat, St. Gall, Prod.—Madras handkerchiefs. Saxones. Checks and stripes. Ginghams.
- 157 **BISCHOFF, C. J.** Mann.—Black satin. Gros du Rhin. Serge.
- 158 **BOELDER, M.** Bâle, Mann.—Specimens of spun silk; warp for furniture stuffs; woof for half-silk stuffs.
- 159 **CUVEDET, ADELINE**, Geneva.—Scarf (points de Genève.)
- 160 **MUELLER, T. B. & Co.** Wyl, near St. Gall, Mann.—Handkerchiefs; romals; shawls, damasked; tartans; scarfs; gingham; satins; Morcos; demi-cottons, &c.
- 161 **RYHNER & SONS**, Bâle, Mann.—Machine-spun silk for silk and worsted damask, handkerchiefs, gloves, &c.
- 162 **VON DER MUEHL BROTHERS**, Basle, Mann.—Gros de Naples, four qualities. Serge. Taffetas. Gros de Rhine.
- 163 **BECK & SONS, MIESCHER & SONS, FANKHAUSER BROTHERS, SCHMID BROTHERS**, Berne, Berthoud, and Eriswyl, Canton of Berne, Mann.—White linen handkerchiefs; table linen; towels. Drill tick, cotton and linen tick.
- 164 **HAAZ & SON**, Libefeld, near Berne, Mann.—Samples of linen.
- 165 **HANSELMANN, J.** Güttingen, Canton of Thurgovie, Mann.—Morning jacket of fine Thurgovie linen.
- 166 **HUNZIKER & Co.** Arau, Canton of Argovie, Mann.—Coutils; toiles du nord, linen and cotton; cotonades; gingham; handkerchiefs.
- 167 **MIESCHER & Co.** Berthoud, Canton of Berne, Mann.—Sewing thread.
- 168 **RASCHLE & Co.** Wattwill, Canton of St. Gall, Mann.—Handkerchiefs: Veronas, Madras, Indian, paillacats, mazzulipatams. Cottonets, gingham, cambrics, &c.
- 169 **ROETHLISBERGER & SONS**, Walkringen, near Berne, Mann.—Towels, table cloth, table linen, and table napkins. Bleached linen for shirts, &c. Handkerchiefs, drill, &c.
- 170 **REYMOND, jun.** Morges, Mann.—Diapered skins: Calf-skin in different states.

171 GEBRÜDER, V. Laufen, near Bâle, Mann.—Dressed hides for harness and coaches; calf-skins, &c.

172 HÄRNER, J. de J. Waedenschwyl, Canton of Zurich, Mann.—Leather for soles.

173 INHOR & SOHN, Bâle, Mann.—Sole leather. Calf-skins. Goat-skins.

174 KÄPFELER, F. Frauenfeld, Canton of Thurgovie, Mann.—Sole leather.

175 MENCZER, J. J. Lausanne, Canton of Vaud, Mann.—Calf and morocco leathers: boot-legs, fronts, and backs. Chamols, calf, and sheep-skins.

176 MEYER & AMMANN, Winterthur, Zurich, Mann.—Calf-skins. Morocco. Sheep-skins.

177 MUELLER & Co. Aarau, Canton of Argovie, Mann.—Calf-skins in different states.

178 RANGLER, L. Geneva, Mann.—Strong sole leather, and strong white leather, for bands. Calf boot-fronts.

179 RENNIGKHEIM, C. Geneva, Mann.—Calf-leather. Cordovan, dyed. Kid leather, for gloves.

180 SCHALCH, A. Schaffhausen, Mann.—Leather for ladies' shoes. Goat-skins, for bookbinders. Fine parchment and calf-skins.

181 SPENGLER, H. Hall, Canton of Thurgovie, Mann.—Sole leather.

182 TRUMPKENY, —, Bâle, Mann.—Superfine paper, for prints and lithography.

183 STRÄHLIN, F. on the Sihl, city of Zurich, Mann.—Pasteboard. Silk paper. Paper of various kinds. Writing books and music paper.

184 BOWTHER, C. Geneva.—Black silk for sewing.

185 HUG-ITZ, Schaffhausen, Imp.—Scarlet cloth dyed at Schaffhausen.

186 SULKER, G. Winterthur, Canton of Zurich.—"Moroccs à flamines. Couture à flamines satinées."

187 SULKER, H. Adorf, Canton of Thurgovie, Mann.—Calicoes of various descriptions.

188 BÄRNIGER, J. Thal, near St. Gall, Mann.—Specimens of needlework and embroidery. Handkerchief with lace border. Plain muslins and jaconet.

189 DEPTERER BROTHERS, Heiden, Canton of Appenzell, near St. Gall, Mann.—Specimens of embroidery on tulle. Vells, on white and black tulle. Cambric handkerchief.

190 EGSTER BROTHERS, Speicher, Canton of Appenzell, Mann.—Muslin curtains. Curtains, embroidered, with net appliqué.

191 EHRENKELLER, F. St. Gall, Imp.—Embroidered curtains of various kinds.

192 FRICH BROTHERS, Buehler, Canton of Appenzell, Mann.—Muslin dress and curtains embroidered.

193 FORSTER, J. B. Ober-Utwyl, St. Gall, Mann.—Muslin robes. Gauze and jaconet. Gauze and muslin shawl.

194 HERMANN, F. Diessenhofen, Thurgovie, Mann.—American carpet stuffs. Piece of printed calicoes.

195 HOLDERBOGER, C. St. Gall, Canton of St. Gall, Mann.—Curtains, embroidered on muslin and tulle; guipure appliqué, and long point, and other embroidered goods.

196 KOKLEBROTTER, F. St. Gall, Mann.—Specimens of cotton embroidery on muslin, ornamented with flowers. Handkerchief.

197 METTLER & SOHN, Hemberg, Canton of St. Gall, Mann.—Ginghams. Jaconets. Robes. Muslins. Cravats. Handkerchiefs. Shawls.

198 NER, J. J. Herisau, Canton of Appenzell, Mann.—Swiss muslin. Tamboured gauze balsorine, and nainsook. Striped gauze, Figured muslin.

199 PAULY, G. & A. Canton St. Gall, Mann.—Embroidered collar, and chemisette. Pelerine.

200 SCHNESS, E. Herisau, Canton of Appenzell, Mann.—Veil of cambric needlework.

201 SCHLAEFFER, SCHLATTER, & KURSTEINER, St. Gall,

Mann.—Lace and muslin curtains. Muslin dress Tarlatan. White Jacquard muslin. Shawls with needlework and fringes, &c.

202 SCHWOB, SCHWISS, & SOHN, Herisau, Canton of Appenzell, Mann. Embroidered handkerchiefs, and collar.

203 SUTTER, J. J. Bühler, Canton of Appenzell, Mann.—Curtains. Ladies' dresses and handkerchiefs, embroidered. Pelerine mantelets.

204 TANNER, B. St. Gall, Mann. Embroidered muslins.

205 TANNER, J. U. Bühler, Canton of Appenzell, Mann.—Silk pocket-handkerchiefs. Curtain and bed-cover, muslin and silk, embroidered. Pictures of silk.

206 TANNER & KOLLER, Herisau, Canton of Appenzell, Mann.—Muslin scarfs, dresses, and shawls. Embroidered muslin curtain, and robes.

207 WALDEBURGER & LANGENBOGER, Bühler, Canton of Appenzell, Mann.—Embroidered robes of silk.

208 STÄHEL-WILD, C. St. Gall, Mann.—Embroidered table-cloths. Curtains, and handkerchief, French cambric.

209 ZUPFINGER, T. Wädensdorf, Canton of Zurich, Imp.—Carpet of new velvet, woven.

210 HÄLLY & Co. Sobosonward, Canton of Solvure, Mann.—Braces, elastic and non-elastic.

211 DISTIKER, J. Berne, Mann.—Japanned leather boots, red morocco legs.

212 FREY, T. F. & T. Aarau, Canton of Argovie, Mann.—Elastic braces and garters. Elastic cotton belts.

213 ISLER & OTTO, Wildegg, Canton of Argovie, Mann.—Laces, a new application of straw, for ladies' bonnets, &c.

214 LECOULTRE BROTHERS, Brassus, Vaud.—Razors à sonnettes. Razors with several blades.

215 LECOULTRE, J. Sentier, Canton of Vaud.—Razors of various kinds.

216 GRAESER & SCHWEIZER, Rheinau, Canton of Zurich, Mann.—Metallic cloth. Iron wire flower-pot.

217 SCHETTLIN, H. & D. Canton of St. Gall, Mann.—Buttons for coats and ladies' dresses. Umbrella, curtain, and boddice rings.

218 SCHOFFER, B. Gemmay, Canton of Berne, Founder.—Cow bells.

219 DUTESTER, A. Geneva.—Gold pocket-book. Gold cigar-case, with watch. Gold purse, ring, and bracelet. Walking-stick head, &c.

220 GOLAY, L. Geneva.—Gold souvenir, with watch.

221 FRIES, H. Canton of Zurich, Des. and Mann.—Embossed drinking cup.

222 MASSY, J. F. Sentier, Canton of Vaud.—Imitative gems.

223 VERET, J. Nyon, Canton of Vaud.—Crystal of quartz. Imitation topaz.

224 FLUEKK, J. Brienz, Canton of Berne, Mann.—Table of maple-wood.

225 MEYFIRE, E. Lausanne. Two turned cups and a watch-stand, made by a pupil of the Asylum for the Blind.

226 VOGEL, A. Thoune, Canton of Berne, Mann.—Round table, made of 28 different kinds of wood, inlaid with 38,000 pieces.

227 ABE BROTHERS, Baensen, BROGIERER & Co, DUBLER & SOHN, GEISMANN & Co.; ISLER, J. JUN.; ISLER, J. & Co.; ISLER, J. & SON; MEYER BROTHERS; WOHLER & Co. Wohlern, Canton of Argovie, Mann.—Twisted straw, willow chip, and plaits. Horsehair and manilla plaits. Plaited trimmings. Feathers. Flowers. Bags. Slippers. Carpet, &c.

228 CLARAZ, A. Fribourg, Mann.—Flowers, plumes, and wreaths, made of straw, for bonnets. Straw bonnets, plaits, trimmings, &c.

229 FAESSLER, J. A. Appenzell, Mann.—Milk tubs in miniature.

- 220 HARTMANN, L. & Co. Fribourg, Mann.**—Stalks of wheat grown in the Canton of Fribourg, prepared for straw plaiting. Specimens of plaiting. Ladies bonnets.
- 221 HURTER & BÜHOLZER, Lucerne, Mann.**—Horse-hair, double and single tress.
- 222 LENDERMANN, J. C. Grub, Canton of Appenzell, Inv. and Mann.**—Printers' rollers, made of "Swiss imitation caoutchouc;" it is elastic, tough, soluble in water, and capable of adaptation to different temperatures.
- 223 FROCH, LOUISA, Geneva.**—Caoutchouc knit-stockings for invalids.
- 224 SOLZGEBER & AKERMANN, Meisterschwanden, Mann.**—Horse-hair and silk lace. Lace made of Ostindian hemp, horse-hair and silk. Specimen of cases, cigar-cases, tassels, and straw ornaments. Straw rope. Tresses of Indian hemp and silk. Bleached straw, bleached wood.
- 225 BAATARD, J. A. Lausanne.**—Plated work-box, with mahogany wood and steps.
- 226 BAUTZ, T. F. Geneva, Mann.**—Presse-papier, in gold-enamelled rococo style; the base ornamented with painted views; groups of flowers, painted in enamel upon gold, with a mechanical singing bird.
- 227 WITTEL, M. L. Bern, Bern, Mann.**—Lady's mechanical secretary, of white wood, can be used for writing in a sitting or standing posture. Carved work, representing the rustic economy and Alpine life of the inhabitants of Switzerland.
- 228 FLOREN, ELIZABETH, Brienz, Canton of Bern, Mann.**—Lady's work-basket, carved in maple-wood.
- 229 BAUMANN, A. Brienz, Canton of Bern, Carver.**—A box, in white wood; the carving on the cover, represents the Alpine rose. Box of yew-tree wood, ornamented in carving with the garden rose and a garland of flowers. Small box, made of yew-tree wood, inlaid, &c.
- 230 CHEYERARD, L. Geneva.**—Enamelled map of the islands of Great Britain: illustrating an application of enamelled painting to the improvements of maps.
- 231 HESS, L. Au Jeu de l'Arc, Geneva, Painter.**—Enamels: Young Beggar, after Murillo. The Card-player, after Julius David. Jans of Arragon, after Raphael. The Bride of Lammermoor, after Tony Johannot. The Guardian Angel after Decaise. Venus and Cupid, after Titian, &c.
- 232 KÄRRELI BROTHERS, Schwendi, near Meyringen, Canton of Bern.**—Box-wood salad spoon and fork, ruler, drinking-cup for children, nut-crackers, folder, handle of chamois-horns, &c. Painted plate, sculptured by Daniel Wüegelin, of Thoune.
- 233 KESLER, N. Fribourg, Des. and Carver.**—Statue representing Father Girard, a Franciscan friar.
- 234 KLARER, J. A. Appenzell, Canton of Appenzell.**—Ornament, or jewel-case, of nut-tree wood, ornamented with figures, in the costume of the Canton of Appenzell, William Tell's shot, and other representations of Swiss characters and events.
- 235 LOMBARD, A. C. Geneva, Inv. and Prod.**—Five enamels: Miniature pocket-compass, with portrait of Admiral Nelson. Mourning dial, Turkish calendar-dial, Chinese dial, and Romish dial.
- 236 HALLMEYER-APPENZELLER, A. St. Gall, Mann.**—Chimney-screen, with a view of Meyringen, Canton of Bern. The composition is a combination of the plastic art with that of the maker of artificial flowers.
- 237 MEERER, J. Joux, near Meyringen, Canton of Bern.**—Group of ten chamois and huntsmen, on a hill.
- 238 MICHEL, G. Brienz, Canton of Bern, Carver.**—Peasant's farm-house in the Bernese Oberland, with its dependencies. By removing the roof, the interior, even to the cellar, is exposed to view, with the furniture, &c.
- 239 DUFAUX, O. Geneva.**—Full-length portrait of Her Majesty Queen Victoria, painted in enamel after Chalon. Painted with new colours, made in Geneva, by L. Dufaux, sen.
- 240 SCHILD, J. Brien, Canton of Bern, Carver.**—Carved table. Bernese peasant's habitation.
- 241 SCHLACK, Madame, Geneva.** Paintings on alabaster, whitened and hardened for brooches and other articles of jewellery, covers of chests, boxes, and paper weights.
- 242 SCHOELL, C. A. St. Gall, Inv. and Mod.**—Model in relief of the mountains of Appenzell, including a surface of about 130 square miles. The apparatus and the plastic substance of the relief are the exhibitor's own invention.
- 243 SPALINGER, J. Schaffhausen.**—Album, with several woodcuts, executed by the exhibitor. The drawings were executed by several Swiss artists.
- 244 STÖTZNER, C. F. & Co. Schaffhausen, Prod.**—Galvano-typic plates, subjects composed and drawn by M. Bendel, Munich, &c. The object of the galvano-typic plates is, to supply the place of woodcuts at a cheaper rate.
- 245 JAUX, T. Meyringen, Canton of Bern, Carver.**—A group of nine chamois and huntsmen, carved in maple wood.
- 246 UZELTCH, J. Oberwy, Canton of Bern, Mann.**—Brooches, watch-keys, shirt buttons, and rings, made of chamois horns, &c.
- 247 WITTEBRACH, C. Bern, Prop.**—Model in relief of the cathedral of Strasburg, executed in card-paper, by J. Loemann, Zurich, executed with a penknife by a working bookbinder, who was employed on it incessantly for three years.
- 248 LEBMANN, J. Bern, Carver.**—A model, representing a fountain erected on the market-place of Nuremberg, in Bavaria, by the celebrated masons George and Frederic Ruprecht; the figures were executed by Sebald Schonhofen.
- 249 WITZ, J. Bern, Painter.**—A table in white wood, with view of Tell's chapel, and the costumes of the twenty-two Cantons. A table, with the view of the Handakfall. A desk, with a view of the Sissach, and other articles in painted wood. Letter-back, with the view of the Wengeralp.
- 250 ZIEGLER-PELLER, J. Winterthur, Canton of Zurich, Mann.**—Divers articles of pottery ware, raw and glazed. The large pieces are exhibited for fineness and exactness in the expression of the medallions, &c.
- 251 GELLINGER BROTHERS, Winterthur, Canton of Zurich.**—Yasmas, dyed and printed.
- 252 LECOULTRE, G. Canton of Vaud, Mann.**—Razor with seven blades. Razors with three, two, and one blade, buffalo handle, &c.
- 253 LECOULTRE & GOLAY, Canton of Vaud, Watch-maker.**—Large movement with twenty teeth; others with sixteen, twelve, eight, seven, and six teeth, fixed on a wheel.
- 254 SCHUCHMANN, W. Canton of Neuchâtel, Engraver.**—Two coins, engraved in steel; the one representing a group of two persons, the other the head of a warrior.
- 255 FISCHER, E. Chur, Canton of Granbuden, Mann.**—A double American rifle with two barrels and only one trigger; the right barrel straight, the left with a half winding.
- 256 FIGUET BROTHERS, Sentier, Canton of Vaud, Mann.**—A gold watch, enamel dial, duplex escapement, five rubies, maroquin case.
- 257 TAILLARD BROTHERS, E. A. St. Croix, Canton of Vaud, Mann.**—A gold watch, five rubies, portrait of the Queen of Holland, with diamonds. A gold watch, five rubies, to wind up by the pendant.
- 258 KRÄMER, A. Locle, Canton of Neuchâtel, Mann.**—A gold watch, independent seconds, and metal thermometer; twenty holes in rubies, compensation balance.
- 259 SCHMID BROTHERS, Thalwil, Canton of Zurich, Mann.**—Silk handkerchiefs; the weaving, printing, finishing, and entire manufacture by the exhibitors: warp silk, wool samples of spun silk, called shappe sublime.
- 260 BAREHARDT, J. Zuzsch, Canton of Argovia.** An assortment of improved razors and razor-strops.

TUNIS.

TUNISIAN PRODUCTIONS, sent for exhibition by order of His Highness MURSHI RASMA, Bey of Tunis, under care of ST HAMDA ELMEKADDER, Pro-Commissionary appointed for the occasion, and MOHAMED SAUVILLANA, Interpreter to his Excellency General SIDI MAHMOUD BERYAD, the Bey's Commissioner, 9 China Terrace, Kensington Road.

1 Small blankets, manufactured at Gafsa. Mantles, wool and silk.

2 Small blankets, with silk, &c. Mantles, with stripes. 3 and 4 Gafsa blankets, with silk, &c. Mantles, with stripes.

5 Gafsa blankets, wool. Mantles, with stripes, good. 6 Bornuses, manufactured at Gerid and Gafsa, and at Kef. Bornuses, woven with silk.

7 Pieces for making bornuses, with silk. Shawis, white and coloured. Joubbas, white and coloured. Mantles, white and coloured, with silk. Shawis, all wool. Coloured Gerby joubbas. Joubbas, with crimson ornaments, and mantles, woven with silk, of Gerby manufacture. White, light blue, and light crimson girth. Waist girths. Woollen Joubbas, Gerby manufacture. Men's white shawis. Taled, used by Jews. Joubbas of Gerid, with silk. Mantles, woven with silk. Small blankets, Touzer manufacture. Bornuses, with silk.

8 Blankets, made at Touzer. Blankets of Gerby manufacture. Mantles, of Gerby and Gafsa manufacture.

9 Mantles, common, Bedween style, &c. Jerby shawis. Shawis, Tunisia style. Pieces of common Tunisian-manufactured wool. Six complete woollen dresses and six long jackets, used by eunuchs, &c. Blankets, of Gerby manufacture. Common mantles, used by the Bedweens of Sahel. Blankets, made at Sahel.

10 Red caps, called Calabash. Caps, called Orta. Caps, called Sakas. Ottoman court uniform caps, called Majidia. Caps, called Kaleb-shad. Small size, called Hramy sakes. Long shaped, Arab style. Smaller size, called Zenna. Caps, called Orta. Silken stuff, called Garmasud, imitation of India. Silk waist girth. Face coverings. Blue cotton fabrics. Silk mantles, used by Arabs. Silk girth, used by town people. Silken shawis and coloured girths, made at Kirwan. Arab veils. Handkerchiefs. Curtains. Silk girth, Algerine style. Head girths, Kirwan style. Light veil, made at Kirwan, &c. Silk aprons, Algerine style. Gaze dresses. Ladies' small waist girths. Ribbon. Gaze scarfs. Head coverings. Small girths. Kerchiefs, and neckerchiefs, and small handkerchiefs. Striped silk, for men's dresses. Head coverings, imitation of Morea. Fancy silk turbans. Jewish men's girths. Aprons, Algerine style, &c. Joubbas, Gerbine manufacture. Silk mantles. Jewish religious dresses. Pieces of silken manufacture. Gentleman's girths. Head dresses, used by Tunis and Kirwan ladies. Coloured handkerchiefs. Silk scarfs. Silk curtain. Fancy silk scarf. Piece of yellow silk manufacture. Gaze veil. Cotton head coverings. Biseria aprons and towels. The same, used for bathing, with silk. Linen stuff, made in Tunis, and at Susa. Turbans, made at Sfax, red.

11 Woollen blankets, made at the Gala, a province of Sahel. Joubbas, manufactured by the Hmamna tribe. Joubba, manufactured at Kirwan. Mantles, manufactured at Kirwan. Strong stuff for making bornuses. Black bornuses. Black bornuses, imitation of Tabessa, made at Gafsa. Pieces for making bornuses. Red bags, used for feeding horses. Red bags, or purses, for putting on horseback. Red girths. Complete joubbas, silk and wool, made in Kirwan.

12 Men's shoes, Algerine style. Men's slippers. Slippers, called Yamany and Telemany. Men's Arab slip-

pers, made at Tunis and Kirwan. Ladies' shoes and slippers. Boots, yellow and red. Ladies' coloured shoes. Ladies' short coloured slippers. Arab and children's shoes. Red, black, yellow, and chocolate goat skins. Red and yellow sheep's skins. Light blue goat skins. White sheep's skins. Leather bag, Persian style. Leather bag, Kaff style. Powder and shot bag. Leather powder bag. Pair of pistol holders. Single pistol holder. Set of forehead ornaments, used by Arabs for horses.

13 Models of carved arabesque gypsum ornaments, used for decorating the interior of Moorish rooms.

14 Box of saffron.

15 Box of indigo.

16 Box of indigo, of another sort.

17 Box of the same.

18 Box of unwoven linen.

19 Large carpet. Small carpets, used in tents. Bags, for feeding horses. Horse coverings.

20 Carpets, used in tents and for wall tapestry. Carpet bags. Horse bandages.

21 Red thin skins and hides. White thin hides, for shoemaking. Forks, used for the wool manufacture. Copper stirrups, used by the Arabs of Derna, &c. Undressed goats' skins. Leather bags, for carrying water. Hair cords, for tying horses' feet, &c. Martingales. Hair girths, used for tying up loads on mules. Horse brushes.

22 Bornuses, woven with red silk and wool.

23 Jewish garments. Mantles, with silk and wool, made at Gerby. Mantles, with silk. Woollen thread, made at Gerby, for various manufacturing purposes. Spun thread, made at Gerby. Girths. Pieces for making joubbas, with silk, Gerby manufacture. White piece, with silk. Gerby shawis, with silk. Men's shawis. Complete silk mantles. Coloured shawis. Mantle. Bornuses, silk and wool. Bornuse, of Gerid, silk and wool. Tunisian carpets. Horse bandages, manufactured by the tribe of Awlad-Un.

24 Earth extracted from the mine of the Mountain of Slat.

25 Minerals of the same place.

26 and 27 Mineral lead from the Mountains of Gerisa.

28 and 29 Mineral lead from the Mountains of Wargha and Gerisa.

30 Lead from Slat.

31 Iron from same place.

32 Lead from the Kaba Mountains.

33 and 34 Copper and iron from the Mountain of Gerisa.

35 Piece of jujube wood. Untanned hides.

36 Mule saddle, complete. Horse saddles, complete. Horse leather bags. Stilettes, manufactured at Biseria. Fans. Leather round walters. Silk horse-neck ornaments. Cord bridles. Copper candlesticks. Pieces of coloured coarse cloth. Horse coverings, with stripes.

37 Parasols, with leather and silk. Parasols, with ostrich feathers. Parasols, simples. Dry pomegranate, used for colouring yellow. Gall. Lion skin. Leopard skins. Weight for scales.

38 Sample of lime.

39 Bale of wool, weighing 561 lbs.

40 Bale of wool, weighing 504 lbs.

41 Shirts, with silver embroidery, various colours and patterns. Shirt, crimson and pearl coloured. Shirt, pearl coloured. Shirt, crimson coloured. Shirt, silk, with silver. Head coverings, gaze, with silver. Pair of trousers, embroidered. Silk scarfs, with silver. Curtain, with silver. Girth, with silver. Scarfs, with silver. Light-blue joubba, embroidered with gold and silver. Pair of trousers, with silk. Pair of trousers, silk, with mixed ornaments and silver. Pair of trousers, with silver. Silk shirts, with gaze,

embroidered. Silk shirts, with gase, without embroidery. Trousers, shirts, joubbas, and women's jackets, all embroidered with gold. Damasak jackets, with silver. Complete gentlemen's velvet dress. Small cloak, fully ornamented with silver. Long hair ornaments, with gold. Specimens of yellow and white silver; and of silver thread, yellow and white. Girths for ladies' trousers. Head covering, with silver. Head covering, gase, embroidered with silver.

43 Mule saddle, fully embroidered, without stirrups. Gentlemen's cloth dresses, with ornaments, in the Algerine style, silver and silk. Gold-embroidered ladies' shoes. Slippers. Ladies' head ornaments, embroidered. Embroidered trousers' girths. Ladies' caps, with silver embroidery. Embroidered silk handkerchiefs. Kerchiefs. Arm ornaments, with stripes. Ladies' caps. Jew's waist girth. Trousers. Head ornaments. Silk leg girths, all with silver. Silk guards for watches. Silk watch ornaments. Chaplet ornaments. Kerchiefs and tobacco bags, with silver. Silk bags, ornamented with silk and coral. Jewish lady's girth, with silver. Mule saddle, fully embroidered, without stirrups. Head girths, with gold thread. Complete gentlemen's dresses, various designs, Algerine style. Breast embroideries, for ladies' dresses. Silk shawls, with gold. Ladies' dresses, with silver. Waist girths. Large scarf, with silver. Large waist girth, with silver. Curtains, with silver, &c. Piece of silk stuff. Tobacco purses, with silk and coral embroidery.

45 Saddles, embroidered with gold. Coral chaplets, with gold ornaments. Cloth bornuses. Cloth joubbas, with gold and silk embroidery.

44 Complete Algerine men's dresses, with silk. Long jackets, with silver and silk. Crimson and light-blue girth, of Gerby manufacture. Short jackets, with silk.

45 Lead from Dgebbas, and one stone, called keddal, used for making lime, &c.

46 Saltpetra.

47 Jewish religious garments. Girths. Mantles, silk and wool. Gerby manufacture.

48 Pieces for making bornuses. Gerbine mantles, with silk. Pieces for making joubbas. Coloured and white joubbas. Joubbas, yellow. Bornuses, complete. Gasha and Gerby, all of Gerid manufacture. Pieces for joubbas. Gerbine blankets.

49 Weeds for smoking pipes.

50 Gypsum, of various qualities.

51 Domestic implements, viz.:—Copper jugs and waiters. Fish caserolle. Large boilers. Bucket. Arab wash-hand basins. Earthen cups. Soap boxes. Vases, used for throwing water upon the head in bathing. Covered caserolle.

52 Large copper boiler. Bucket. Caserolle. Wash-hand basins. Buckets. Basket, with dried raisins. A sample of a material used for tanning.

53 to 57 Ninety bottles of different sorts of scented waters.

58 Arm-holder, to hold up guns.

59 Curved door, with a curious key.

60 Wheat, called Hemira.

61 The same, called Asryx.

62 The same, called Nigida.

63 The same, called Stihy.

64 The same, lightly roasted when new, used for soups.

65 A jar containing prepared barley, for soups.

66 A jar containing koskosoos, a dry preparation of the Semola.

67 A jar with barley.

68 A jar containing preserved olives.

69 A jar with wheat, called Mahmovydy.

70 A jar with mohammes, a dry preparation of the semola.

71 A jar with koskosoos.

72 A jar with barley.

73 Sponges.

74 The same.

75 The same.

76 Dry apricots.

77 Two pieces of white cloth.

78 Dates, produced at Gabes.

79 The same, in leather bags.

80 Gerby blankets. Arab mantles. Shawls. Blankets of Tunisian manufacture, &c.

81 Begia snuff. Bottle of ink.

82 Arab tents. Bags for feeding horses, used by Arabs.

83 Velvet saddles, embroidered with gold and silver. Plated stirrups, used by Bedween Arabs. Iron bridle-pieces, of different sorts. Water-holders, used on horseback, embroidered. Holders for water, used on horseback, embroidered with gold. Gun-locks, with silver and copper. Gold foot-rings. Bracelets. Lizard skins. Complete Arab belt, &c. Smoking pipe-guards, embroidered. Leather cushions. Hatchet. Scythe. Arab bracelets, with silver. Foot-rings for girls. Ring, used by Arabs to tie up their waist-girths. Foot-rings, silver, and pins and ear-rings, Tripoline style. Pins and breast ornaments. Ear-rings. Pair of gun-locks. Silver breast-ring, with which Arab women tie their joubbas. Silver ornaments for the head. Boy's belt. Looking-glass, as used by Arabs, and other silver ornaments. Tunisian otto of roses. Otto of jasmin. Mixed essences. Essence of quince, of Benjamin, of oranges, of aloes, of apples, and of musk. Amber lozenges and necklaces. Pomatum, made with musk, aloes, and jasmin. Otto of jasmin. Saffron. Complete bornus, of Gerid.

84 Specimens of the Karouba tree. Dry figs.

85 Honna leaves, and powder.

86 A well-block. Sieves of different sorts. Turkish pike, or measure for cloth. Arab, of the same.

87 Parasols, with ostrich feathers, and in red silk. Ladies' shoes. Gentlemen's slippers. String. Thread. Sieves.

88 Ready-cut smoking tobacco. Tobacco in leaves. Begia, toborsook, korba, abidy, and aithy, for snuff. Hay seed.

89 Jars of pickled raisins and meat.

90 Jars of sausages, raisins, and meat.

91 Lime. Jar, with gunpowder.

92 Lion and leopard skins. A small black skin, in pieces. Ostrich feathers. Skin of a wild sheep.

93 Saddle, embroidered with gold and silver. Silver stirrups, for mules' saddles. Silver chains, for mules. Pair of home clogs, embroidered. Belts. Embroidered cushions.

94 Gentlemen's full dresses, embroidered with gold. Breast embroideries, for ladies' dresses. Tobacco bags and comb-guards, embroidered. Specimen of a complete Moorish belt. A general officer's belt. First-rank civil officer's belt. A major's belt. A lieutenant-colonel's belt. Under-caps. Woolen stockings. Slippers. K-hol, a collyrium, used for blackening the eyelids.

95 Piece of worked marble.

96 to 100 Various sorts of timber from Tabarca. Piece of cypress wood.

101 Garlic, and red and ground pepper.

102 Haricots. Droâ, a grain much cultivated at Tunis.

103 Fennegreek. Chick peas. Lentils. Black haricots.

104 Beans. Carroway. Gâmmam, much used for dyeing. Coriander.

105 Jistachols.

106 Bamia, and other seeds.

- 107 Dry Muscatella raisins. Hard almonds.
 108 Another sort of almonds.
 109 Dry raisins. A paste made with raisins.
 110 Seeds of various sorts.
 111 Mloukbia, used for cooking, in leaves.
 112 to 134. 252 baskets of dates.
 135 Pomegranates.
 136 Medicinal herbs, produced in the Regency.
 137 Box of tanning materials. Ground mloukbia and cotton. Scissors, used in the red cap manufacture. Spinning spindles. Hair sieves. Plate covers, made by the negroes. Junk waiter. Swak, used by Moorish women for whitening their teeth.
 138 Small bundles of swak.
 139 to 148. 627 pieces of common earthenware, Nabel and Gerby.
 149 Red Gafsa pepper. The same, of Nabel manufacture. Common salt and astron.
 150 Box, with sponges.
 151 Box of the same.
 152 Mineral waters of Hasman Ellen'f, near Tunis.
 153 The same, of Korbus.
 154 Preserved fish.
 155 Four jugs of honey.
 156 Two jugs of preserved olives.
 157 Another sort of preserved fish.
 158 Another sort of the same, and raisins.
 159 The same, of olives.
 160 The same.
 161 The same.
 162 Four jugs of salt butter, and ten smoking pipes.
 163 Four jugs of honeycomb.
 164 A comb and a well-block.
 165 Common salt.
 166 Gypsum.
 167 One millstone.
 168 Building and lime stones, and bricks.
 169 Common dark gypsum, used for building.
 170 Gypsum, not entirely macerated, used for building mills, &c. as a very strong cement.
 171 Best gypsum, called Nakzha, for making arabesques, and other ornaments.
 172 Hard soap.
 173 to 176. The same, of various sorts.
 177, 179, 180. Junk and straw works, mats, bucket covers, straw saddles, bags for putting on camels, horses, &c., and agricultural instruments.
 181 Goat's hair.
 182 Cow's hair.
 183 Yellow wax.
 184 Junk mats.
 185 Tallow.
 186 An ostrich skin.
 187 Samples of oil, called Beldy.
 188 Samples of oil, called Darbma.
 189 Soft soap.
 190 A bale of camel's hair.

TUSCANY.

(Commissioner in London, Professor PHILIP CORRADI, 7 Piccadilly.

GOVERNMENT of TUSCANY.—Specimens of sandy stones for building purposes, from quarries existing in the various localities of Tuscany. Specimens of refractory stones, from quarries in Tuscany. Incrustations of the mineral waters of St. Philip baths. Ornamental stones, and stones used in the arts. Specimens of marbles, existing in the various localities of Tuscany. Specimens of lithographic stones, from various localities. Specimens of sculpture in lithographic stones, from the quarry of Mr. Pasqual Giovanni, of Florence. Specimens of chalcedony, and a variety of hard stones existing in Tuscany. Collection of every quality of alabastrides from the quarries known in Tuscany.

PRODUCE of the ROYAL MANUFACTORY of SALT, VOTZERRÉ.—Rock-salt from the salt works of St. Leopold. Salt obtained from the evaporation of saliferous waters. Specimens of alum dug in Tuscany, and purified alum. Specimens of sulphur dug in Tuscany, and purified sulphur. Specimens of iron ore from the royal mines of the Elba island. Specimens of copper ore, dug in Tuscany, and from unwrought mines of a well-known produce. Specimens of (*Argentiferous*) lead ore, dug in Tuscany. Specimens of quicksilver, dug in Tuscany, and from unwrought but of a well-known produce. Specimens of antimony ore, dug in Tuscany.

GUERRA, G. Florence, Mann.—Specimens of varnish.
 CORRADI, G. Leghorn, Mann.—Specimens of sulphate of quinine and of santonina.

COWTI & SON, Leghorn, Mann.—Specimens of soaps.
 DE LARDERAI, Count F. Leghorn.—Alabastrers and produce of the *suffioni* of boric acid, from the exhibitor's estates in Montebello, Castelnuovo, and Montirobonde.

RIDOLFI, Prof. M. Lucca.—Colours for encaustic painting, prepared by a peculiar process of the exhibitor's invention; and paintings executed by him to show the effects of the colours.

MUSI M, Prof. Florence.—Colours for painting after a new composition, and specimens of painting on a consistent body of terra-cotta, to show the effects.

BROCCHI, C. V. Florence.—Soft white wheat from the hills of Arecri, near Florence.

SLOANE, F. Esq.—Soft white wheat from his estate at Carreggi, near Florence.

PAOLETTI, F.—Pondera stiff wheat for Italian pastes, from the plains of Pisa. Specimens of superfine Italian pastes.

RIDOLFI, Marquis C. Florence.—Fir-cones and fir-nuts, called *pisoli sticommens*, from the exhibitor's estates.
 ORSOTTI, C. T. Lucca.—Olive oil, from the exhibitor's estates on the hills of Lucca.

RUSCHI BROTHERS, Pisa.—Olive oil, from the exhibitor's estates at Calci, near Pisa.

PARINI, D. Pisa.—Olive oil, from the exhibitor's estates at Buti, near Pisa.

BRACINTI, C. A. Siena.—Olive oil, from the exhibitor's estate in Castelnuovo-berardenga, near Siena.

PASTORELLI, D. Arcidosso.—Corn, called marquoto, supplying straw for bonnets. Madder-roots from the Meremey, and other localities in Tuscany; the same roots, pounded and reduced to powder. Specimen of Indian-corn, straw for brooms from Campe, near Florence. Specimen of brooms such as are used in Tuscany, made of the straw. Collection of specimens of Tuscany woods, used for domestic and rural purposes.

LUMBRUSCHI, B. Florence.—Specimen of cocoons of silk-worms reared by the exhibitor from 1842 to 1850.

SCOTTI BROTHERS, Florence.—Raw silk, from the exhibitor's spinning-mills.

- RIFE, L. D. Florence.**—Raw silk, from the exhibitor's spinning-mills.
- FOUNDERARO, N. Portia, near Florence.**—Raw silk, from the exhibitor's spinning-mills.
- FERRONI, C. C. Siena.**—Raw silk, from the exhibitor's spinning mills.
- FIERI, Count G. Siena.**—Raw silk, from the exhibitor's spinning mills.
- FANFILLINI, C. A. C. Siena.**—Raw silk, from the exhibitor's spinning mills.
- FRANCISCHINI, G. Prato.**—Raw silk, from the exhibitor's spinning mills.
- REMEDSOTT, Signora A. Fittria.**—Raw silk, from the exhibitor's spinning mills.
- MORDINI, C. G. Barge.**—Raw silk, from the exhibitor's spinning mills.
- DAVITU, L. Loro.**—Raw silk, from the exhibitor's spinning mills.
- LEFORI, T. Nudigtima.**—Raw silk, from the exhibitor's spinning mills.
- MAXAGH, P. Martodi.**—Raw silk, from the exhibitor's spinning mills.
- ZARAGHI, P.**—Raw silk, from the exhibitor's spinning mills.
- CASUNINI, C. F. Chiamiani.**—Raw silk, from the exhibitor's spinning mills.
- SAVI, Prof. P. Pisa.**—Raw silk from silk worms, reared upon leaves of the Philippine mulberry.
- COLLACCHIONI, G. Borgo San Sepolera.**—Three merino fleeces, from the flecks belonging to the exhibitor.
- Estate of the Alberese, belonging to H. T. and R. H. the Grand Duke of Tuscany.**—Three fleeces of cross-bred merino sheep, from the sheep-folds of the Alberese.
- Estate of the Badiola, belonging to H. T. and R. H. the Grand Duke of Tuscany.**—Three merino fleeces from the sheep-folds of the Badiola.
- ZUCCHINI, L. Florence, Inv.**—Machine for carrying heavy burthens, which the exhibitor has named a *pemettoforo*.
- PERLET, E. Lucia, Inv.**—Model of a locomotive with an articulated system.
- GOSWELLE, Professor T. Florence, Inv.**—Machine for measuring plane surfaces, executed under the exhibitor's direction by order of N. T. and R. H. the Grand Duke of Tuscany, to whom it belongs.
- DUUL, A. & M. Florence, Inv.**—Organ of a new construction, enclosed in a box carved by M. A. Barbitti, of Siena, and gilt by Mr. Vincenzo Stolti, of Florence. Another organ, also constructed by the exhibitor.
- COTEN, Mrs. Florence.**—Specimens of combs for silk weaving, from the exhibitor's manufactory in Florence.
- FAVREDDIE, F. Vise, Mann. and Dyer.**—Various tissues. Specimens of cotton dyed in red.
- MANFRO BROTHERS, Manacchio, near Vise, Mann.**—Various tissues.
- FRANCISCHINI, F. Prato, Mann.**—Blankets in floss silk tissue.
- RIVE and MAFFEI, Florence, Mann.**—Brocade of gold and silk.
- COTURRANO, M. Florence, Mann.**—Cotton and silk tissue for carriages.
- CHIARI BROTHERS, Marcella, near Pistrina, Mann.**—Endless felt for paper making. Specimens of papers.
- VYER & SOMA, Prato, Mann.**—Straw bonnets.
- NANBUCCI, Florence, Mann.**—Straw bonnets.
- MARIOTTI, S. Pontidora.**—Sword, with the hilt and ornaments in gilt silver; a well finished chiselled work.
- REFFAZZOLI, P. & SOZ, Leghorn.**—Pink marbled coral dress, consisting of collar, brooch, pin, and buckles.
- NARDI BROTHERS, Montelupi, near Rmpoli.**—Man.—Chemical apparatus in glass, and other objects for domestic and commercial use.
- CUNTAGANI, L. Florence, Mann.**—Stove in terracotta.
- GINONI, THE MARQUIS LORENZO, Florence.**—Several objects in china, from the manufactory on the exhibitor's estate at Donia, near Florence.
- ROYAL FOUNDRY, Florence.**—Specimen of cast-iron of the first melting, a tabernacle. Another specimen of cast-iron of the first melting, a flower basket.
- BARBETTI, A. Siena.**—Piece of furniture for a drawing-room, consisting of a console and a plate-glass, carved by the exhibitor, and of the richest workmanship. Dressing-table, carved in walnut, after the Greek style.
- LIMBAERTI, A. Siena.**—Frame in wood, carved by the exhibitor.
- BARBITTI, R. Siena.**—Frame in carved wood, by the exhibitor.
- BARBETTI, R. Siena.**—Basso-relievo, carved by the exhibitor.
- BIGNOLI, L. Lucca.**—Two basso-relievo in ivory, carved by the exhibitor.
- MARCHETTI, L. Siena.**—Frame for a glass-plate, in wood, carved by the exhibitor.
- BONAVENTI, C. & SOMA, Florence, Mann.**—An arm-chair, carved and varnished to imitate china.
- DEVIA, A. Florence.**—Architectural model executed by the exhibitor, to show the application in marquetric of walnut sheets upon cornices, however complicated, without being cut at the angles. Joining of sliding-rules, with grooves very complicated and difficult.
- PASQUI, E. Avezzo.**—Frame in wood, carved by the exhibitor.
- FALCINI BROTHERS, Florence.**—A large chair, after the style of the 16th century, inlaid in woods of several colours, forming a rich design of flowers and ornaments.
- POLLI, F. Florence.**—A desk inlaid in woods, of several colours, forming a splendid design of flowers of various kinds. The top of a table inlaid in woods of several colours, with figures and ornaments after the style of Raphael.
- RAGUZZI, E. China.**—The top of a table, inlaid in woods of several colours, forming a design of flowers and various ornaments.
- MAOTTINATI, F. Leghorn.**—A rectangular ebony table, supported by ornamented carved feet, with a top inlaid in various woods and mother-of-pearl.
- CONUX, P. Leghorn.**—A square table of angelica, with a top inlaid in woods of various colours.
- MARZETTI, A. China.**—A frame inlaid in woods of various colours.
- GUIDOTTI, G. Lucca.**—Four fusts of columns in coloured marble, from the quarry of Piscaglia, near Lucca. Three tables, two round and one rectangular, in coloured marble, from the same quarry.
- IELLA, Count G. Florence.**—Two tables in red marble, from a quarry belonging to the exhibitor in the Tuscan Maremma.
- NANNI, L. Prato.**—A round table in marble, called "Verde di Prato," from quarries belonging to the exhibitor near that town.
- MAFFEI, C. G. Volterra.**—A fust of a column from the quarry of Monte Rufoli, near Volterra, belonging to the exhibitor; the fust is the property of H. I. and R. H. the Grand Duke of Tuscany.
- VANCIATICHI, MARQUEZ, Florence.**—A table of marble, called "lumachelli," from the exhibitor's quarry near Florence. Two small tables in very hard marble, from the torrent Marnia, near Vallombrosa.
- PASQUALE, G. Florence.**—A specimen of sculpture

in lithographic stone, from a quarry on the exhibitor's estate. A table of Cipollino marble, from the quarry of Elba Island. A broccatillo table, from the quarry of Caldana, near Campiglia. A table of marble called "Porta Santa," from Caldana di Ravl. A table of eastern alabaster, from the quarry of Albevira. Two small columns of broccatillo of Caldana, with the capitals in yellow marble from Siena. A small column of light hardiglio, from the quarry of Campiglia.

GIOVANNI, P. Florence.—Flag-stones in lithographic stones, inlaid in stucco, very hard, and resisting any kind of rubbing.

FERRIGNI, G. Leghorn. White cable, from the exhibitor's manufactory in Leghorn.

PARLANZI, E. of Borgo a Suggiano.—A very elaborate embroidery, framed in tapestry.

TORTI, L. Florence.—Five canes in small pieces of horn of various colours, with tops in gilt bronze.

CREU, C. Lucca, Mann.—A horse's bit.

CRONI, G. Empoli, Mann.—A lock of particular mechanism.

DUPRE, Prof. A. Florence, Sculptor.—The Curse of Cain, a marble statue by the exhibitor, and cast in bronze by Mr. C. Papi; the property of H. I. and R. H. the Grand Duke of Tuscany. Abel murdered by his brother Cain, a statue in marble by the exhibitor, and cast in bronze by Mr. C. Papi; the property of H. I. and R. H. the Grand Duke of Tuscany.

COSTOLI, Prof. A. Florence, Sculptor.—Christopher Columbus unveiling America to the three parts of the world then known, displayed according to their geographical order, forming a group of four figures, modelled in plaster by Prof. A. Costoli, and cast in bronze by Mr. C. Papi; the property of H. I. and R. H. the Grand Duke of Tuscany.

VITRA, I. Florence, Sculptor.—Hagar and her son Ishmael, a group in marble.

NEWINI, Prof. L. Florence, Sculptor.—Bacchus reclining, a statue in marble of Scruverne, in Tuscany.

CHEVRI, G. & SOM, Voltura.—A large alabaster vase, after the Etrurian style.

FRESCO, P. Florence, Sculptor.—Psyche, a statue in marble, with a pedestal.

ROYAL MANUFACTORY, known under the name of the **IMPERIAL AND ROYAL GALLERY OF HARD-STONE WORKS.**—A mosaic table in hard pebbles, of a circular form, and a diameter of 1.75 meter, upon a ground of eastern *lapid lazuli*; the table belonging to H. I. and R. H. the Grand Duke of Tuscany. The centre represents Apollo in his quadriga, surrounded with flowers, supported by clouds, and drawn by four steeds; circumscribed by a wreath of roses around its nine compartments; adorned with contours of acanthus leaves, which contain the appropriate emblems of the Muses: a large circular band represents 36 bouquets of various flowers, the whole surrounded by another band containing 135 small ornaments, forming an elegant contour.

BUONINSEGNIBROTHERS, Florence, Mann.—A round table in mosaic; the table represents a wreath with a bouquet in the centre.

BIANCHINI, G. Florence, Mann.—A round table in mosaic: the table represents a wreath, with the Florentine lily in the centre.

DELLA VALA BROTHERS, Leghorn, Mann.—A rectangular table in scagliola, with various ornaments, and entirely inlaid, in imitation of works in hard pebbles. A round table in scagliola, representing Galileo visited by Milton in his prison at Rome, with several emblematic ornaments, partly inlaid. A vase in scagliola, entirely inlaid, after the Etruscan style.

PAPI, C. Florence.—Basket of flowers, taken from nature in one cast, with the stand also from nature, and in a single piece; the whole composed and cast by the exhibitor.

UNITED STATES OF AMERICA AND CALIFORNIA.

EDWARD RIDDLE, Esq. Commissioner.
N. S. DODGE, Esq. Secretary.

1 BAKER, S. Inv. Portsmouth, New Hampshire.—Paying machine for vessels. Invention for tarring the seams of vessels.

2 AMOSKRAK MANUFACTURING COMPANY, Manchester, New Hampshire.—Cotton cloth, including ticking, sheeting, striped shirting, bleached flannel, and drilling.

3 EASTMAN, R. Concord, New Hampshire.—Stone-dressing machine.

5 SPRATT, JAMES, Cincinnati, Ohio.—Lightning-rods, points, and insulators.

6 HEATE, G. Prod. Delhi, Ohio.—Specimen of Indian corn.

7 LOUDERBRACK, M. J. Cincinnati, Ohio.—Specimens of preserved peaches.

8 MOOKLAR & CHILDS, Cincinnati, Ohio.—Specimens of leaf and chewing tobacco.

9 HUNTER, W. M. Cincinnati, Ohio.—Artificial teeth on an improved principle.

10 SHEPHERD, R. A. J. Cincinnati, Ohio.—A shirt.

11 YEATMAN, T. H. Cincinnati, Ohio.—Specimens of American Catawba wine.

12 BUCHAKAY, R. Cincinnati, Ohio.—Specimen of Catawba wine.

13 CORWEAR, J. B. T. & J. B. Cincinnati, Ohio.—Specimen of Catawba wine.

14 WILLIAMS, N. L. Cincinnati.—Hemp-dressing machines.

15 DUMER, H. Cincinnati, Ohio.—Specimen of Catawba wine.

16 HAZANT, R. Cincinnati, Ohio.—Compound microscope.

17 BARNARD, J. Lancaster, Ohio.—Brushes, brooms, and whisks.

18 EMORY, T. Cincinnati, Ohio.—Lard-oil and adamantine candles.

19 FRANK, F. Cincinnati, Ohio.—Lard-oil.

20 M'GREGOR & LEE, Cincinnati.—Improved bank lock.

21 DOMINICK, G. Cincinnati, Ohio.—Specimen of beef tallow and lard.

22 SMITH, H. & D. Newark, Ohio.—Specimens of flour.

23 OTIS, B. H. Cincinnati, Ohio.—Mortising and boring machine.

24 OHIO STATE BOARD OF AGRICULTURE, Prod. Columbus, Ohio.—Samples of Indian corn in the ear, illustrative of the different varieties raised in Ohio. Samples of corn on the stalk. Case of specimens, illustrative of the economic geology of Ohio. Box of malt from Indian corn.

25 MORSTON, W. A. Columbus, Ohio.—Buck-eyed squirrel (stuffed).

26 ANDERSON, J. R. & Co. Richmond, Virginia.—Specimens of iron ore.

26 THOMPSON, R. Columbus, Ohio.—Plough. Surgical instruments. Invention for teaching the blind to draw and write; said to be very simple, and to be applicable to the teaching of geography, geometry, mathematics, &c.

27 TYLLINGHAST, J. B. Inv. Steubenville, Ohio.—Patent churn.

28 EATON, C. L. Columbus, Ohio.—Brooms and broom-corn.

29 STAFFORD, J. R. Cleveland, Ohio.—Specimens of steam-dried corn meal.

30 BARTLETT, R. M. Mann. Cincinnati, Ohio.—Commercial and banking tables.

- 31 GLOBE PRINT COMPANY—CHAPIN, W. J.—Fall River, Massachusetts.—Printed calicoes. These prints are on a cloth containing 60 by 64 picks, averaging about the same count as the British 85's.
- 32 POPE, J. Memphis, Tennessee.—Specimens of ginned cotton.
- 33 JONES, WHITE, & M'CURDY, Philadelphia, Pennsylvania.—Artificial teeth and gold foil. Exhibited for natural appearance, and other good qualities.
- 34 BILLINGS & AMBROSE, Inv. Claremont, New Hampshire.—Method of connecting hubs and axles.
- 35 LOWDALE CO., GODDARD BROTHERS, Providence, Rhode Island.—Cotton goods.
- 36 BAKER XAVIER, Philadelphia.—Perfumery and soaps.
- 37 BOND, S. Memphis, Tennessee.—Specimen of ginned cotton.
- 38 LEARNED & REYNOLDS, Indianapolis, Indiana.—Flour extractor.
- 39 PALMER, FRANKLIN B. Philadelphia.—Artificial leg; made on a new principle; it has the tendo achillis, flexor and extensor, and muscles.
- 40 HAUL, J. Philadelphia, Pennsylvania.—Perfumery and fancy soaps.
- 41 LACEY & PHILLIPS, Philadelphia, Pennsylvania.—Saddlery and harness.
- 42 ROOT, M. A. Philadelphia.—Daguerreotypes.
- 43 LAGREHEIM, W. F. Philadelphia.—Photographic magic lantern slides.
- 44 WETHERILL BROTHERS, Philadelphia, Pennsylvania.—Four bottles of chemicals and a sample of white lead.
- 45 MORRIS, JONES, & Co. Manu. Philadelphia, Pennsylvania.—Specimens of the best hanging boiler-plate iron. Specimens of the best hanging boiler-plate iron and hammered bar-iron. Specimens of the iron ore and limestone used at the furnace, and the pig-iron made from it by charcoal. Specimens of machine-made cut nails.
- 46 OAKFORD C. Philadelphia.—Moleskin hats, White Rocky Mountain beaver, and lady's riding-hat.
- 47 CORNELIUS & Co. Philadelphia, Pennsylvania.—Lamps, chandeliers, and gas fixtures.
- 48 WARDLE, S. Philadelphia.—Artificial block teeth.
- 49 HOWELL & BROTHERS, Philadelphia.—Paper-hangings.
- 50 HUBBARD, T. J. Manu. Philadelphia, Pennsylvania.—Specimen of calcined magnesite.
- 51 MATTHEW, T. W. Philadelphia.—Travelling trunk.
- 52 CRAWFORD, H. M. Philadelphia, Pennsylvania.—Various calf-skins.
- 53 DUVAL, P. S. Philadelphia.—Chromo-lithographs and transfer from copper-plates to stone.
- 54 WATSON, G. W. Philadelphia, Pennsylvania.—A trotting sulkey.
- 55 ASBURY & SOY, C. Philadelphia, Pennsylvania.—Fine gold foil. Exhibited for softness, toughness, and uniformity.
- 56 SAVERY, P. B. Philadelphia.—Enamelled hollow-ware.
- 57 YEAGER & ORD, Philadelphia, Pennsylvania.—Artificial leg.
- 58 LEFFINCOTT, GRAMBO, & Co. Philadelphia.—Various books, and specimens of bookbinding.
- 59 HICKY & TULL, Philadelphia.—Two trunks.
- 60 MYER, C. Philadelphia.—Pianofortes, constructed with iron-plate frames, particularly adapted to damp and warm climates.
- 61 SMITH, S. Manu. Philadelphia.—Samples of cod-liver oil.
- 62 REYNOLDS, R. J. Philadelphia.—Artificial teeth.
- 63 BOCKINGHAM, T. L. Philadelphia.—Artificial teeth, mounted in silver, galvanised.
- 64 M'GILL, J. Baltimore, Maryland.—Specimens of netting machines.
- 65 HUBBET O. Baltimore, Maryland.—Reaping and mowing machine.
- 66 DETMOLD, C. E. Prop. Lonscombing, Massachusetts.—Specimens of pig-iron, iron-ore, coal, and coke.
- 67 HYDE, F. Baltimore, Maryland.—Fancy soap.
- 68 CHAPMAN, J. L. Baltimore, Maryland.—Glass ware.
- 69 BARLOW, T. H. Lexington, Kentucky.—A planetarium.
- 70 McCULLOCH, S. D. Lexington, Kentucky.—Specimen of BUTOW'S mustard.
- 71 COLMAN, Mrs. C. Louisville, Kentucky.—Three bed quilts.
- 72 PERRY, J. Narragansett, Rhode Island.—Mast cutters, adapted to a variety of purposes.
- 73 M'CORRICK, C. H. Chicago, Illinois.—Virginia grain reaper.
- 74 PRALZ, C. W. Hickscherville, Pennsylvania.—Specimens of Anthracite coal.
- 75 SWEENEY, J. Philadelphia, Pennsylvania.—Weaver's heddle.
- 76 AVERY, O. M. D. Honesdale, Pennsylvania.—Specimens of dentistry.
- 77 WRIGHT, W. B. & C. B. Rochester, New York.—Bevelled sawing machine.
- 78 LLOYD, L. J. Maker, Albany.—Harness exhibited for manufacture. Lady's whalebone trunk. Gentlemen's whalebone trunk. The locks of these trunks are exhibited for novelty of invention.
- 79 DICK, D. Imp. and Inv. Buckingham Street, Adelphi, New York.—Embossing press. Boiler plate, shears, and punch. Baling press. Rail straightener. Saw-tooth cutter. Anti-friction machines. Designed and manufactured by J. E. Holmes, of New York.
- 80 HUBB, J. A. Albany.—Prepared animals, birds, and fishes.
- 81 MOTT, C. A. Lansingburgh, New York.—Specimens of mineral paints.
- 82 GRANT, A. T. & Co. Schaghticoke, New York.—Fanning mill.
- 83 NEW YORK STATE AGRICULTURAL SOCIETY, Albany, New York.—Cases of wheat. Jar of maple sugar.
- 84 KENTLAND, B. B. Greenbush, New York.—Sample of Indian corn.
- 85 AMERICAN CHAIR CO. Manu. Troy, New York.—Chairs with patent centripetal springs and railroad-car seats.
- 86 SMITH, L. Troy, New York.—Smut machine.
- 87 MAWSON BROTHERS, New York.—Natural-colour American silver-martin muff, Victoria boa, and gauntlets, made from the skins of animals abounding in the State of North Carolina. The colours are considered to be very beautiful, the choice of each having been made out of 1,000 skins.
- 88 STARR, C. New York.—Two machines to be used in bookbinding; one for backing, the other for finishing the backs. These machines are intended to be kept in operation during the Exhibition.
- 89 STARR, C. New York.—Books for the blind: two Bibles. Quarto Bible, to show the style of work effected by the finishing machine described in Section II.
- 90 PIRSON, J. New York.—Patent double grand pianoforte. Patent square pianoforte.
- 91 STARBUCK, N. B. Troy, New York.—Fourteen ploughs.
- 92 PAGE, E. 20 West Street, New York, and 38 East-ern R. R. Wharf, Boston.—Two sweeps, of 35 feet each: made of one stick. Four ears, of common stock, in the finished state. Four ears, in the rough state, as left by the machinery. Pair of ears, decorated: intended as a present

for His Royal Highness the Prince of Wales. Pair of model cars, with pens: intended to be offered to the Lords of the Admiralty.

93 MILWARD, J. & SON, New York.—White Parmela bonnets.

94 HOTCHKISS, G. Windsor, New York.—Noddle-iron, tram-block, and bridge-tree, for saw-mills.

95 ST. JOHN, J. R. Inv. Buffalo, New York.—Self-determining variation compass.

96 MIX & GARDNER, Schoboharie, New York.—Model of a wagon.

97 ALLEN, A. B. & Co. Mann. Water Street, New York. Agents in London, Charlwood & Cummins, 14 Tavistock Row.—Thermometer churn with a double zinc case, into which hot or cold water may be put to regulate the temperature of the cream. Specimens of the most improved kinds of handled axes for chopping. Hay-rakes used in connection with horse-rakes for gathering hay. Scythe and sheath. Two and three tine hay-forks, for pitching and handling hay. Shovel and spade. Manure-forks, 4, 5, 6 tine. Sausage-cutter, No. 1, for making fine mince or sausage meat. Sausage-cutter, No. 2; more efficient than No. 1: it has mince knives and pins. Sausage-stuffer for filling sausages. Garden-hoe, made from solid steel without welding. Road-scraper, for levelling roads, cleansing ditches, digging cellars, excavating, &c. Post-hole auger, used for setting fences, making holes in the ground for posts, &c. Indian corn sheller, containing two fly-wheels and friction roller. Steel tooth, cast steel and universal cultivators. Different styles of cultivators. Fan-mill. Portable patent ladder. Subsoil plough. Ordinary plough, complete. Various other ploughs on approved constructions, chiefly for one horse.

98 GOULD, J. & Co. Mann. Albany, New York.—A pony sleigh.

99 CHASE, M. W. Chatham, New York.—An herbarium.

100 LEARNER & TROTCHER, Albany, New York.—Chandler stove for the parlour; a "golden age" parlour-cooking stove.

101 DEAN, AMOS & Co. Albany, New York.—Argilla knobs, &c.

102 PRATT, Z. Prattsville, New York.—Samples of leather; various specimens of lithography.

103 BROWN, P. A. Philadelphia, Pennsylvania.—Specimen of fine wool.

104 BELL, T. Morrisania, New York.—Farm products:—Spring wheat; soule wheat; Mediterranean wheat; Bald white flint wheat; barley; rye; buckwheat; oats; Indian corn; Indian corn in the ear; broom corn; flax, millet, clover, and timothy seeds. Groom brush.

105 OSWEGO STARCH FACTORY, Oswego, New York.—Samples of starch manufactured from Indian corn.

106 EVANS, O. B. Buffalo, New York.—Specimens of daguerreotyping.

107 PETER, S. T. C. Darien, New York.—Specimens of Saxony wool.

108 WELLS, L. Rochester, New York.—Agricultural implements. Wheel cultivator, used to prepare land for wheat, by once ploughing only.

109 LEASE, Mrs. J. Albany, New York.—Needlework:—Satin patchwork cradle-quilt; satin nursery-basket; merino embroidered under-shirt; linen stitched and corded slip; cambrie shirt; infant's articles; mourning articles of various kinds; polka dress-cap, with narrow white satin piping.

110 MEAD & BROTHERS, New York.—Daguerreotypes.

111 BROWN, G. S. Inv. New York.—Specimens of body braces.

112 FRENCH, J. New York.—Ivory articles:—One comb,

having 150 teeth in the inch, was cut by manual labour. Exhibited for workmanship.

113 NEW YORK STATE INSTITUTE FOR BLIND, New York.—Willow, bead, silk-work, &c., manufactured by the blind.

114 BROOKLYN FINEST GLASS CO. Brooklyn, New York.—Specimens of flint glass.

115 HECKER & BROTHER, Croton Mills, New York.—Twenty boxes of farina, prepared from wheat. Samples of fine and coarse hominy. Samples of flour, from wheat grown in the Genesee Valley, in the state of New York. Sample of baker's flour, and of wheat. Glass jars containing samples of the grain.

116 PELL, R. J. Pelham, New York.—Specimens of American forest and other woods.

117 JEFFERS, W. H. New York.—Cork-sole and well-stitched back-part gaiter-boots. Gaiters of various kinds. Red and embroidered morning satin slippers.

118 TUCKERMAN, E. G. Prop. New York.—Model of a machine for tempering saws.

119 JENNINGS & Co. New York.—Black dress-coat (American cloth). Black cassimere pantaloons (American doeskin).

120 SIMMONS & Co. New York.—Specimens of axes and edge tools.

121 CHEVALIER, J. D. New York.—Dental instruments.

122 SKARBY, J. & J. L. Mauu. New York.—Stove polish.

123 PUTNAM, G. P. New York.—Books, and specimens of binding.

124 WALKER, EDWARD & Co. New York.—Specimens of printing and binding.

125 HERRING, S. C. New York.—Salamander safe, Wilder's patent.

126 GAVIT, D. E. New York.—Daguerreotypes.

127 ATLANTIC DOCK MILLS, Brooklyn, New York.—Specimens of flour and farina from Indian corn.

128 ROGERS, J. New York.—Telegraph registers and keys.

129 RAYMOND & SCHUYLER, West Farms, New York.—Barrel of flour, made from pure Genesee wheat. Keg of pearl barley.

130 COMMERFORD & REDGATE, Prop. New York.—Four light chairs.

131 LEARY & Co. New York.—Specimens of hats.

132 BLAKESLEE, J. Prod. North Castle, New York.—Samples of Merino wools.

133 D'AVIGNON, F. Des. New York.—Specimens of lithography.

134 CLIREHCOY, V. Mann. New York.—Two gossamer wigs. Two gossamer scalp.

135 BROWN, L. Mann. Brooklyn, New York.—Six gold pens and cases.

136 WOODCOCK, F. Brooklyn, New York.—Specimen of oil floor-cloth.

137 FRISBIE, M. J. New York.—Specimens of India-rubber shoes.

138 BRADY, M. B. New York.—Daguerreotypes; likenesses of illustrious Americans.

139 ARBOWSMITH, G. A. Prop. New York.—Jenning's permutation locks.

140 DIX, E. R. Prod. Vernon, New York.—Specimens of North American guano, Indian corn, wheat, maple sugar, flax, hemp, &c.

141 GWYNNE, J. S. Inv. and Mann. New York, and 1 Agar Street, Strand, London.—Gwynne's patent balanced centrifugal pumps. This pump has a rotary movement, and is without valves, excentrics, or other contrivances which consume power in friction.

142 COCHRAN, J. W. New York.—Brick machine.

143 BRADY, D'AVIGNON & LESTER, Prop. New York.—

One volume, entitled "Gallery of Illustrious Americans," a specimen of lithography, letter-press, and binding.

143 SHERMAN & SMITH, New York.—Map of the United States.

144 GRIFFIN, D. New York.—Model of a water-wheel, furnace, &c.

145 BULLOCK, S. W. & J. New York.—Self-operating oil-press.

146 ERICSSON, J. New York.—Instrument for measuring distances at sea. Marine barometer. Instruments for taking soundings and for measuring fluids. Pyrometer. Ship's log. Model of a gas engine. Instrument for measuring the compressibility of water. Model of an equestrian statue of Washington, by Horace Kneeland, of New York.

147 IRON BRIDGE CO. New York.—Iron bridge.

148 EMORY & Co. Albany, New York.—Railroad horse-power and-planter.

149 MOORE, D. D. T. Watervliet, New York.—Corn-broom.

150 JEFFREY, A. Canandagua, New York.—Oil-paintings of the wild flowers of Western New York.

151 LAWRENCE, M. M. New York.—Daguerotypes.

152 BENJAMIN, J. R. New York.—Elastic trusses.

153 HAWES, G. E. New York.—Specimens of dentistry.

154 HOTCHKISS & PRESCOTT, Manu. Phelps, New York.—Samples of kiln-dried Indian meal.

155 LEACH, M. S. & H. J. Manu. Lyons, New York.—Sample of extra Genesee flour.

156 HOTCHKISS, H. G. & L. B., Manu. Lyons, New York.—Sample of oil of peppermint.

157 HILL, C. J. & SON, Manu. Rochester, New York.—Sample of extra Genesee flour.

158 HARMON, A. Clifton, New York.—Sample of extra Genesee flour.

159 LEECH, D. Leechburg, Pennsylvania.—Samples of wheat flour, the property of the exhibitor.

160 TOUREY, P. Tuscaloosa, Alabama.—Specimens of minerals.

161 INGLEZ, J. A. Lafayette, Indiana.—Self-weighting grain scales.

162 GATINO, R. J. Indianapolis, Indiana.—Grain-drill.

163 MISSOURI IRON MOUNTAIN COMPANY, St. Louis, Missouri.—Specimens of iron ore.

164 SHATTUCK, W. F. Prop.—G. W. Eddy's patent cast-iron railway wheel.

164 MERRIWEATHER, J. B. Montgomery, Alabama.—Specimens of cotton, rice, hominy, flour, &c.

165 GAMBLE & BROTHERS, J. K. Manu. Philadelphia.—Specimens of Morocco leather, made from goat-skins, of American manufacture.

166 NEW JERSEY EXPLORING AND MINING COMPANY, Prop. Newark, New Jersey. Agent in London, O. MACDANIEL, 74 Albert Street, Mornington Crescent.—Specimens of zinc, iron, and steel, and other minerals, &c., found near them. Specimens of zinc ores:—Franklinite; an iron ore. Specimens of pure metallic zinc or spelter, the produce of the red oxide of zinc ore. Zinc white, or white oxide of zinc. Specimens of painting, executed on wood with zinc paints.

167 TRENTON IRON COMPANY, Trenton, New Jersey.—Specimens of iron wire, rivets, &c.

168 HEINZICH, R. Newark, New York.—Shears, trimmers, and scissors.

169 TREISS, T. Greensbury, Pennsylvania.—Shell propeller.

171 BRYANT, W. Nashville, Tennessee.—Brass model of subsoil plough. The improvements aimed at in this plough are, arrangement, cheapness, and utility.

172 JONES, J. V. Charleston, South Carolina.—Samples of Upland cotton.

173 JONES, J. R. Charleston, South Carolina.—Samples of Upland cotton.

173 HAMPTON, W. Charleston, South Carolina.—Sample of Upland cotton.

173 HENRIOT, E. T. Charleston, South Carolina.—Sample of clean rice.

173 WARD, J. J. Charleston, South Carolina.—Specimens of sheaf rice.

173 M'LEOD, W. W. Charleston, South Carolina.—Specimens of Sea Island cotton.

173 JAMISON, V. D. V. Charleston, South Carolina.—Samples of spirits of turpentine.

174 CAFFERS, C. B. St. Helena Island, South Carolina.—Cypress canoe-boat, cut out from a cypress tree—the common boat of the country.

174 ARTMAN, J. Charleston, South Carolina.—Phaeton carriage.

175 GRANITEVILLE FACTORY, Graniteville, South Carolina.—Specimens of shirting and drilling.

175 CHARLESTON FACTORY, Charleston, South Carolina.—Cotton cloth (shirtings and sheetings).

176 BELL, E. B. Charleston, South Carolina.—Specimens of Palmetto cedar, oak, and other woods.

176 DE SACHSURE, J. B. Prod. Charleston, South Carolina.—Specimen of sweet gum wood.

177 SOUTH CAROLINA RAILROAD CO. Charleston, South Carolina.—A circular table.

177 MELLICHAMF, MARY H. Charleston, South Carolina.—A basket.

178 NAILOR, J. Vicksburgh, Missouri.—Specimens of cotton.

179 MITCHELL, G. D. Vicksburgh, Missouri.—Specimens of cotton.

180 MAYLAND SOAP-STONE COMPANY, Baltimore, Maryland.—Specimen of soap-stone. One bath tub. Sample of stone. One sizing roll. Three griddles.

181 JAMES & CHAPMAN, Crawford County, Missouri.—Specimens of iron ore and iron work.

182 STRATTON, W. J. Glasgow, Howard County, Missouri.—Specimens of manufactured tobacco.

183 ALBERO & HOTT, Elizabethtown, New Jersey.—Floor oil-cloth.

183a ALBERO & HOTT, Elizabethtown.—Floor oil-cloth.

184 BRYANT, W. Nashville, Tennessee.—Cotton and wool cards.

185 WRIGHT, G. W. California.—Steam-engine quartz crusher.

186 WALBRIDGE, H.—Specimens of gold and other ores.

187 BURT, W. A. Mount Vernon, Macomb County, Michigan.—Burt's solar compass.

188 EWING, J. H. Prop. Washington, Pennsylvania.—Specimens of wools.

189 GEVELOT, —, Philadelphia.—A medal.

190 CLINTON, E. Prop. Philadelphia, Pennsylvania.—Hair and cloth brushes.

191 DARLING, W. Prod. Reading, Pennsylvania.—Specimen of iron, and iron ores.

192 HOPKINS, J. M. Brock, Pennsylvania.—Pig of iron.

193 RAGAN, W. Philadelphia.—Reclining chairs.

194 STAR, E. Philadelphia, Pennsylvania.—Forms of printing bank notes and stereotyping. Specimens of the note and of electrotyping.

195 DUSTON, J. H. Philadelphia, Pennsylvania.—Red cedar bedstead.

196 VINE & ASHMEAD, Hartford, Connecticut.—Gold-beating machine and gold foil.

197 SIBLEY, S. Hopkington, New Hampshire.—Sample of Saxony wool from the exhibitor's own flock.

198 WOOLMAN, E. Inv. Damascoville, Ohio.—Gate, so constructed as to be opened by a rider without getting off the carriage seat.

199 LONGWORTH, N. Cincinnati, Ohio.—Specimens of Catawba and other wines.

- 200 SCHOOLEY & HOGAN, Cincinnati, Ohio.—Samples of hams and shoulders.
- 201 PERKINS & BROWN, Akron, Ohio.—Sample of fine combing wool.
- 202 MORRELL, STEWART, & Co. Cincinnati, Ohio.—Sheet-iron made from iron ore, the produce of this State.
- 203 SALT & MEAR, East Liverpool, Ohio.—Water-vase, manufactured from fine brick clay.
- 204 SCHUMANN, C. A. Cincinnati, Ohio.—Specimens of Catawba wine.
- 205 WIDOM, RUBEN, & WHEATMAN, Cleveland, Ohio.—Specimens of curled hair.
- 206 WESTERN FIRE COMPANY, Cincinnati, Ohio.—Hose carriage.
- 207 TROTMAN, J. Cincinnati, Ohio.—Saddle-trees.
- 208 HOLBROOK & STANLEY, Manu. Cincinnati, Ohio.—Winter strained lard oil, made from lard procured from the hog by the action of steam.
- 209 HUGGETT, J. JR. Columbus, Ohio.—Joiner's panel or grooving plough.
- 210 DE BONNEVILLE, M. Providence, Rhode Island.—Autumnal leaves.
- 211 BRETT, S. G. Gilmanton, New Hampshire.—Shoe-pegs.
- 212 READ, C. A. Oneida County, New York.—Model of a stuted fulling mill.
- 213 BOSS, C. Rochester, New York.—Improved portable mills.
- 214 AMBLER & AVERY, New York.—Articles for dentistry.
- 215 DISTURNELL, J. New York.—Maps of the United States and of the State of New York.
- 216 BROWN, S. New York.—Articles for dentistry.
- 217 GODWIN, T. New York.—Specimens of mechanical inventions.
- 218 HILLEN, S. New York.—Stair-rods, copper rivets, &c.
- 219 ARMSTRONG, S. T. New York.—India-rubber air-pontoons.
- 220 ALCOCK, J. New York.—Articles for dentistry.
- 221 LYON, E. New York.—Magnetic powder for the destruction of insects.
- 222 BROOKS, W. T. New York.—Jackson's annunciator.
- 223 HARRISON, C. C. New York.—Camera.
- 224 HARRISON, C. C. New York.—Daguerreotypes.
- 225 THOMPSON, W. M. New York.—Pictorial book-binders' stamps.
- 226 GRIFFITH, J. W. New York.—Model of an ocean steamer. Treatise on Marine and Naval Architecture.
- 227 POOLEY, S. J. New York.—Two miniature dinner sets. Dinner set, mounted with pearl handles. Miscellaneous table knives, carvers, &c., mounted with gold, pearl, &c. Scissors. Pair of forceps. Razors. Surgical instruments in miniature, mounted with pearl, tortoiseshell, &c.
- 228 THORNTON, FRANCES, New York.—Articles in shirt-making and laundry-work.
- 229 BARTON, C. D. Keesville, New York.—Magnetic oxide of iron from Peru Mine, Chirton, New York, weighing 600 lbs. Box of magnetic oxide of iron from Bowton Ore Bed, in Essex county, weighing 100 lbs.
- 230 TUCKERMAN, E. G. Prop. New York.—Air exhausted coffin, intended to preserve the dead from putrefaction. Air-exhausted fruit-box, for preserving fish, fruit, game, &c.
- 231 PRASE, R. H. Albany, New York.—Specimens of lithographed engravings.
- 232 HIGGINBOTHAM, L. C. Vernon, New York.—Miniature steam-engine, made by the exhibitor.
- 233 GENIE, J. N. Manu. New York.—Hats and caps.
- 234 BLAKE, W. Inv. New York.—Specimens of fire-proof paint.
- 235 CLARK, R. New York.—Sample of oatmeal, manufactured at Clark's Mills, in Oneida County, New York.
- 236 PARKER & BROWN, Utica, New York.—Bale of fine wool.
- 237 ALLEN, G. F. Prop. Utica, New York.—Telescopic rifle.
- 238 SNEAD, C. New York.—House's printing telegraph.
- 239 THOMPSON, S. L. Setauket, Long Island.—Sample of wheat.
- 240 URRICE, R. W. St. Louis, Missouri.—Specimens of lead ore. Found in Franklin County, in the State of Missouri.
- 241 WHITEMAN, E. JR. Baltimore, Maryland.—Railway, horse-power, and straw-cutter.
- 242 THOMPSON, Rev. Z. Burlington, Vermont.—Specimens of Vermont woods.
- 243 COOK, J. Burlington, Vermont.—Burlington mill cloths.
- 244 WILLIAMS, MARY, Woodstock, Vermont.—Vermont autumn leaves.
- 245 PARKER, E. Mechanicville, Vermont.—Specimens of bird's-eye maple veneers.
- 246 DEAR, L. Prod. Manchester, Vermont.—Sample of maple sugar, and jug of fine maple molasses.
- 247 BARNES, W. Rutland, Vermont.—Sample of maple sugar in a tin box.
- 248 CAIN, J. Manu. Rutland, Vermont.—Samples of slate pencils.
- 249 PECK, Mrs. C. P. Burlington, Vermont.—Silk hose.
- 250 PIERCE, Mrs. J. S. Burlington, Vermont.—Two silk handkerchiefs. Two specimens of marble, black and white.
- 251 PENNINGTON, U. H. Colchester, Vermont.—Specimen of pure limestone.
- 252 CATLIN, H. W. Burlington, Vermont.—Sample of wheat flour.
- 253 BENJAMIN, J. R. St. Albans, Vermont.—Specimens of brass spring trusses.
- 254 M'LENNAN, E. Newbury, Vermont.—Sample of American polish, supposed to be superior to emery.
- 255 KITTERIDGE, F. O. Mount Vernon, New Hampshire.—Corn-busk mattresses.
- 256 KEMMER, P. Pittsburg, Pennsylvania.—A bust of Bishop Upfold.
- 257 HALL & SPEAR, Pittsburg, Virginia.—Iron centre plough.
- 258 EAKINS, S. Pittsburg, Pennsylvania.—Galvanic plastic hydrometer.
- 259 BAKER, A. Honesdale, Pennsylvania.—Pump.
- 260 BAKER, A. Honesdale, Pennsylvania.—Pump.
- 261 ROGERS, C. B. Philadelphia, Pennsylvania.—Plough.
- 262 BROWN & WELLS, Philadelphia, Pennsylvania.—Specimens of tools.
- 263 HART, MONTGOMERY, & Co. Philadelphia, Pennsylvania.—Paper-hangers.
- 264 FULSIFER, J. S. Onaburg, Pennsylvania.—An alphabet.
- 265 POWER & WRIGHTMAN, Philadelphia, Pennsylvania.—Chemicals.
- 266 FISHER, T. Inv. Philadelphia.—1. Mathematics simplified on geometrical principles. 2. Dial of the seasons, a chart illustrating the sun's declination at all seasons, with the effects of light and heat on animal and vegetable life in all climates. A book explanatory of the chart.
- 267 PRATT, W. A. & Co. Richmond, Virginia.—Daguerreotypes.
- 268 ROBINSON, P. Richmond, Virginia.—Specimens of manufactured tobacco.
- 269 SIMS, E. H. Buckingham County, Virginia.—Specimens of iron ore.

268 HARDGROVE, T. & S. Richmond, Virginia.—Sample of manufactured tobacco.

269 BRAXTON, C. Hanover County, Virginia.—Specimen of green sand marl.

270 INSTITUTE FOR THE BLIND, Stanton, Virginia.—Specimens of books, types, &c.

271 COCKE, Gen. J. H. Fluvanna County, Virginia.—Samples of iron ore, soap stone, and other minerals.

272 DILL & MULCHAHEY, Prod. Richmond, Virginia.—Specimen of manufactured tobacco.

273 SHER, E. H. Buckingham County, Virginia.—Specimens of roofing slate.

274 SHER, E. H. Buckingham County, Virginia.—Slab of slate.

275 JENNINGS & CLAGHORN, Richmond, Virginia.—A gentleman's saddle.

276 HOSSON, F. Buckingham County, Virginia.—Specimens of gold ore.

277 PATTERSON, R. S. Buckingham County, Virginia.—Specimens of iron ore.

278 PARKER, W. Prop. Nelson County, Virginia.—Specimens of ores.

279 BELVIDERE MANUFACTURING Co. Richmond, Virginia.—Envelops paper.

280 BROWN, —, Buckingham County, Virginia.—Specimen of quartz rock.

281 GRANT, J. H. Mann. Richmond, Virginia.—Specimens of tobacco.

282 MAUFFS, S. Richmond, Virginia.—Specimens of minerals.

283 FARRINGTON, A. C. Prop. Newark, New Jersey.—Apatite. Some of the specimens exhibited are pure Franklinites iron.

284 DUMONT, P. S. Patterson, New Jersey.—Silk plush for hats.

285 MORGAN, J. S. Tusculumia, Alabama.—Specimens of cotton.

286 COLLYER, Gov. H. W. Prop. Montgomery, Alabama.—Minerals, collected and forwarded under the direction of the Governor of the State of Alabama, intended to illustrate the mineral wealth of that State.

287 STREER, E. Providence, Rhode Island.—Blacking.

288 AMBER & AVERY, Honesdale, Pennsylvania.—Specimens of mechanical dentistry.

289 TAYLOR, H. P. & W. C. Philadelphia, Pennsylvania.—Transparent soaps, intended to represent stained glass.

290 FAY & Co. J. A. Norwich, Connecticut.—Planing moulding machines, &c.

291 HATVARD RUBBER Co. Colchester, Connecticut.—Specimens of India-rubber boots and shoes.

292 GOODTEAR RUBBER Co. Nangatuck.—India-rubber.

293 PENFIELD & CAMP, Middletown, Connecticut.—Judd's medicated liquid cuticle.

294 COCHRAN, J. W. Agent, New York.—Improved railway switch.

295 COCHRAN, J. W. New York.—Ship-timber sawing and stone-dressing machine.

296 DAY & NEWELL, New York.—Parautoptic permutating locks.

297 LATHROP, J. Le Roy, New York.—Samples of Genesee wheat.

298 FINCH, H. Mann. Honcoye, New York.—Specimen of Genesee wheat flour.

299 COLLEAT, W. & Co. New York.—Samples of pearl starch.

300 GRAY, Dr. J. New York.—Artificial human eyes.

301 SIMMONS, Mrs. W. New York.—Millinery.

302 GARDNER, J. N. Troy, New York.—Specimens of curry-combs.

303 OYLER & ANDERSON, Lynchburg, New York.—Sam-

ples of tobacco, manufactured out of natural honey-dew, bright sun-cured leaf, the growth of Roanoke County, Virginia.

304 MACY, J. & SOXS, New York.—Specimens of spermaceti and candles.

305a MACY J. & SOXS, New York.—Spermaceti and candles.

307 PECARE & SMITH, New York.—Self-locking and repeating pistols, with stocks of ivory, and rosewood, mounted with steel and gold.

308 DAY, H. H. New York.—India-rubber manufactures.

309 BOURGARD, C. New York.—Hair work. Hair wig.

310 COLTON, J. W. New York.—Map of the World.

311 HANINGTON, W. J. New York.—Stained glass; two window heads. Portraits of George the Fourth and William the Fourth. A Newfoundland dog. A pentagraphy head, ornamented frames.

312 BOOLE, L. H. New York.—Model of a clipper ship.

313 SRAULDING, J. New York.—A silk quilt.

314 ROUSSEAU, A. J. Troy, New York.—Specimens of iron ore.

315 BASHAM, F. New York.—Plaster model of the Exchange, New York.

316 HOLMES, G. L. Memphis, Tennessee.—Samples of ginned cotton.

317 REMEBURGH, J. Frederick County, Maryland.—Specimens of Indian corn and wheat.

318 COOK, W. & SOXS, Baltimore, Maryland.—Samples of leaf tobacco.

319 OWENS, J. Ann Arundel County, Missouri.—Specimens of leaf tobacco.

320 GEEHNGER, M. B. Charleston, South Carolina.—Raised embroidery. Needlework.

321 GOLDING, M. C. Spartanburgh, South Carolina.—Imitation Marseilles quilt; a specimen of needle-work by Mrs. Golding.

322 PECKHAM, J. Columbia.—Gold-headed walking-stick, made from the curled hickory (*Carya*), a common forest wood.

323 SWEDISH IRON MANUFACTURING COMPANY.—Specimens of iron ore, nails, &c.—Magnetic iron ore, adapted for making steel.

324 SEABROOK, W. Charleston, South Carolina.—Sample of Sea-land cotton in seed, and of the long staple, or black-seed cotton.

325 HERRY, W. B. C. Charleston, South Carolina.—Sample of Indian corn in the ear. Sample of tea (*graminea*), commonly called flint corn, averaging about 30 bushels per acre.

326 TEW, H. S. Charleston.—A variety of brooms.

327 COLT, S. Hartford, Connecticut.—Specimens of fire-arms.

328 HAVENNER, T. H. & BROTHERS, Washington, D. C.—Pilot bread, water and soda crackers.

329 NORTH WAYNE SCYTHE COMPANY, South Wayne, Massachusetts.—Specimens of scythes.

330 VARELBOBO MANUFACTURING COMPANY, New Vas selborough, Maine.—Cashmeres from American wool.

331 WARWICK & OTZY, Lynchburgh, Virginia.—Samples of manufactured tobacco.

332 ROWE, M. & J. M. Philadelphia, Pennsylvania.—Brooms and whips.

333 PENNSYLVANIA RAILROAD COMPANY, Philadelphia, Pennsylvania.—Model of an aqueduct.

334 ROBBINS & LAWRENCE, Windsor, Vermont.—Rifles: with their various parts made to interchange.

335 BAGBY, Gov. A. P. Montgomery.—Sample of raw cotton.

336 LAR, D. Memphis, Tennessee.—Samples of ginned cotton.

331 HOLMES, J. E. New York.—Model of a ratchet hoisting machine.

332 LEE, W. New York.—Specimen of spathic iron ore.

333 TUCKERMAN, E. G. Prop. New York.—Butterworth's patent combination lock.

334 BROWER & LAMBERT, Prop. New York.—Two of Whitmarsh's patent portable extension beds.

335 BARTOLOZZINI, F. H. New York.—Safety-valve hydrant.

336 EYLE, J. Patterson, New Jersey.—Flora, and sewing silk.

337 CHATAIN, H. New York.—Patent machine moulding.

338 EASTMAN, W. P. Newark, New Jersey.—Knitting machine, &c.

339 SRELL & MOTT, New York.—Bank and account books. One set was made to order for the City Bank, New York.

340 HASKELL, MERRIT & BUEL, Mann. New York.—Samples of powdered drugs.

341 OLIVER, T. New York.—Tailor's transfer and patterns.

342 HOTCHKISS, W. Lewiston, Kentucky.—Samples of Soule's winter wheat.

343 HILLIER, V. New York.—Samples of wheat flour.

344 ADIRONDAC MANUFACTURING COMPANY, New York.—Specimens of iron and steel. Pigs of decarbonized metal. Bars of iron, and 500 lbs. of assorted cast steel.

345 SPERRY, H. New York.—Clock.

347 PALMER, W. R. New York.—Specimens of two rifles.

348 WADSWORTH & SEEKDON, New York.—Specimens of prime mess beef.

349 MORAHAN & BEERS, New York.—One box of tobacco.

350 BARLOW, E. New York.—Articles for dentistry.

351 BATTY, T. New York.—Improved serving mallets.

352 FOX & POLHEMUS, New York.—A bolt of cotton duck.

353 BARON, BROS. New York.—Fire ladder, escapes, &c.

354 WINSHIP, A. H. Choctaw Nation, Arkansas.—A book-mark.

355 ASHER, A. Mann. New Orleans, Louisiana.—Machine for manufacturing ice.

356 DENNINGTON, C. L. New York.—Model of a floating church.

357 RICHARDS, B. W. Philadelphia.—Specimens of plumbago.

358 CLINGMAN, T. L. Asheville, North Carolina.—Specimen of plumbago.

359 OLMFIST, Mrs. J. Hartford, Connecticut.—American forest autumn leaves, in their natural colours.

360 COWPERTHWAIT & Co. Philadelphia.—Maps.

362 M'ALISTER & TANWELL, Louisville, Kentucky.—Samples of mustard.

363 DUFFIELD, C. Prop. Louisville, Kentucky.—Specimens of smoked hams.

363 DUFFIELD, C. Louisville.—Smoked hams in canvas.

364 HILL, J. New York.—A travelling trunk.

365 M'WEEKLEY, M. New York.—Portable parlour green-house.

366 LORD, LYNCH & Co. New York.—Soap.

367 STANTON, D. New York.—Specimens of penmanship, illustrating the portrait and character of Washington.

368 MACY, STANTON & Co. New York.—Woollen cassimeres.

369 WHITLOCK, B. M. New York.—Sample of Henry County tobacco.

370 BARON BROTHERS, New York.—A blast-furnace.

371 STATE OF MARYLAND (by its Committee).—Cabinet made of Maryland woods.

373 FETTER, F. Baltimore, Maryland.—Ice-cream freezer.

373 ROT, W. L. New York.—Twelve Hebrew dictionaries.

374 NEWS & CLARK, Des. and Manu. New York.—Two piano-fortes: A 7-octave rosewood pianoforte, carved. A 6 $\frac{1}{2}$ -octave rosewood pianoforte, with Coleman's patent Æolian attachment.

375 HANLEY, J. New York.—Model catcher and model key.

376 HITCHCOCK, W. L. New York.—Grass and corn scythes, manufactured from Norway iron, and Saunderson & Co.'s cast steel, by the North Wayne Scythe Company, in the State of Maine.

377 WHITEHEAD, J. H. Baltimore, Massachusetts.—Daguerrotypes: Falls of Niagara.

378 GOODYEAR, C. New Haven, Connecticut.—India-rubber goods.

379 USHER, R. Louisville, Kentucky.—Plates and brackets of beef.

380 BRADY, W. M. New York.—"Kedge Anchor," a work on practical seamanship, with illustrations.

381 JACOT & COUVEVOIRIER, New York.—Gold magic hunting lever watch.

382 CHURCH & CHITTENDEN, New York.—India-rubber shoes.

383 TUPE, J. New York.—Cane chairs.

384 MAXWELL, Miss. New Jersey.—Autumn leaves.

384 HAYDEN, W. Willimantic, Connecticut.—Drawing frame for cotton, with an improvement for regulating the weight of the strand, called a drawing regulator.

385 HARGET, Mrs. E. New York.—An embroidered shirt. A stitched shirt.

387 NEWTON, I. Prod. Philadelphia.—Sample of Indian corn.

388 WILDER, A. A. Detroit, Michigan.—Revolving cylinder-engine and leeway indicator, with fog whistle for light-house stations.

389 LUDLAND, H. New York.—Sample of tobacco from Geo. T. Williams, Lynchburg, Virginia.

390 PRALON, E. Mann. New York.—Hair work, ventilating wig, and toupee.

391 BACHMAN, J. New York.—Views of New York and Brooklyn.

392 STEPHENS, H. New York.—Two jars of preserved peaches.

393 STEWART & Co. J. J. New York.—Sample of tobacco from D. H. London, Richmond, Virginia.

395 TORR, J. H. New York.—Combination type.

395 BACHE, Professor A. D. Washington.—Standard weights, measures, and balances.

396 WOOD & TOMLINSON, New York.—Sporting wagon.

397 WHITE, M. New Orleans.—Sugar, pepper, and hemp.

398 BALDING, Mrs. W. New York.—Millinery.

399 HOBART & ROBIN, Boston.—Types, printing, and binding.

400 REED, CHADWICK, & DEXTER, Boston.—Specimens of printing cloths.

401 BAKER, W. R. Lowell, Massachusetts.—Liquid and paste shoe blacking.

402 NEWMAN, H. J. Andover, Massachusetts.—Imitation of wood.

403 UPHAM, APPLETON, & Co. Boston.—Ginghams, cassimeres, &c.

404 SAYLE, MERRIAM, & BREWER, Boston.—Samples of cotton cloths.

405 GRAY, T. & Co. Boston, Massachusetts.—Specimen of glassmakers' sand.

406 WARD, W. & J. W. Boston, Massachusetts.—Specimens of copper ore.

- 410 FOGG & BURRANK, Boston.—Pegged boots and shoes.
 411 BREKID, N. A. & Co. Lynn, Massachusetts.—Children's shoes.
 412 SHATTUCK, W. G. Boston, Massachusetts.—School desks and chairs.
 413 FRODY & MEARS, Boston, Massachusetts.—Specimens of ploughs.
 414 FOND & Co. M. Boston.—Cooking ranges.
 415 BLISS, R. & Co. Pawtucket, Massachusetts.—Hand-screws and other tools.
 416 BOGLES, G. H. Boston, Massachusetts.—Specimens of mica, or talc, for stove doors, &c.
 417 CHILSON, RICHARDSON, & Co. Boston, Massachusetts.—Furnaces and stoves.
 418 DOE, HAZELTON, & Co. Boston.—Centre tables.
 419 BROWNE, C. A. Boston.—Specimens of teeth, forwarded by Dr. Morton.
 420 GAMMETT, H. Boston.—Specimens of bookbinding.
 421 WASHBURN, SCHAUBEL, & Co. Worcester, Massachusetts.—Card wire.
 422 THAYER, E. B. Boston.—Samples of shoe pegs.
 423 GATES, W. East Lee, Massachusetts.—Hay and measure forks, and hoes.
 424 LOUNG, G. Concord, Massachusetts.—Water pails.
 425 TURNER, T. Weymouth, Massachusetts.—Samples of edge blacking for boot and shoemakers.
 426 ATWOOD, G. B. (for Phoenix Manufacturing Company), Taunton, Massachusetts.—Black-lead crucibles.
 427 EVERETT, A. Middlefield, Massachusetts.—Wooden bowls.
 428 LOMBARD & HALL, Boston, Grindstone.
 429 ROBINSON, C. & Co. Lynn, Massachusetts.—Specimens of boots and shoes.
 430 SUTTON, J. A. Boston, Massachusetts.—Specimens of purchase blocks.
 431 WARRER, R. & Co. Boston.—Brooms, wooden ware, &c.
 432 GILBERT, A. Boston.—A gossamer wig.
 433 EMERSON, F. Boston, Massachusetts.—Ship ventilators.
 434 FOND, M. & Co. Boston.—Improved cooking ranges.
 435 GILBERT & Co. Boston.—Pianofortes.
 436 PAIGE, J. W. & Co. Boston, Massachusetts.—Samples of masticac prints and calico.
 437 PAIGE, J. W. & Co. Boston, Massachusetts.—Samples of brown cotton drillings.
 438 HEW, G. Boston, Massachusetts.—Pianofortes.
 439 HOWE, S. G. Boston.—Specimens of books for the blind.
 440 RATES, HYDE & Co. Bridgewater, Connecticut.—Cotton-gin.
 441 JOHNSON, SEWALL & Co. Boston, Massachusetts.—A variety of flannels.
 442 GENUNDER, G. Boston.—Violins.
 443 WOODBURY, J. P. Boston, Massachusetts.—Wood planing, tonguing, and grooving machine.
 444 MITCHELL, G. Z. Richmond, Virginia.—Ladies' and gentlemen's saddles.
 445 MAYNARD & NOYES, Boston, Massachusetts.—Writing and copying inks.
 446 POOL, S. M. Charlestown, Massachusetts.—Model of a clipper ship, frigate, &c.
 447 LOWELL MACHINE SHOP, Lowell, Massachusetts.—Fewer-loom lathes, dresser, brush, &c.
 448 SOWBEL, A. Woburn.—Specimens of lithographic drawings.
 449 DARTON, W. Boston.—Model of a clipper ship.
 450 SKINNER, F. & Co. Boston.—Specimen of cassimere.
 451 WHIFFLE, J. A. Boston.—Daguerreotypes.
 452 CUMMINGS, J. A. Boston.—Tooth-wash and dentifrice.
 453 LAWRENCE, A. & A. & Co. Boston.—Manufactures.
 454 ALMY, PATTERSON & Co. Boston, Massachusetts.—Samples of cottons.
 455 FIELD, A. Taunton, Massachusetts.—Iron and copper tacks and nails.
 456 EARLE, T. K. & Co. Boston, Massachusetts.—Machine cards.
 457 CHICKERING, J. Boston, Massachusetts.—Pianofortes.
 458 HOOPER, H. N. & Co. Boston, Massachusetts.—Epergnes, in or-molu, and castings.
 459 MOREY, C. Boston, Massachusetts.—Machine for dressing, shaping, and ornamenting stone for architectural and other purposes. Invented by Robert Eastman, Esq. of Concord, State of New Hampshire, United States.
 461 STRIMMON, G. jun. Boston.—Specimens of gold pens.
 462 ADAMS, W. & Co. Boston.—Combination bank lock.
 463 BOND, W. & SON, Boston, Massachusetts.—Electric clock, battery, &c.
 464 LAWRENCE, STONE & Co. Boston.—Shawls and cassimeres.
 465 BACON, S. F. Boston, Massachusetts.—Folding, pressing, and sewing machine.
 466 RIDDLE, E. Boston, Massachusetts.—Specimens of an American coach, Prince Albert waggon, York waggon, and slide-top buggy.
 467 STEPHENSON, P. Boston, Massachusetts.—Statue: the Wounded Indian.
 468 GIBSON, W. New York.—Specimens of stained glass.
 469 FEUTCHWANGER, DR. L. New York.—A collection of gems, minerals, fresh-water shells, Indian relics, petrifications, &c., solely American productions. A mass of native copper, weighing 2,544 lbs., from the North West Mine, Lake Superior. A collection of crystalline arboreal native copper, from Isle Royal, Lake Superior. A cabinet of crystalline gems, native diamonds, gold, and copper. Two cabinets of small minerals.
 470 UFFIELD, W. Lancaster.—Boot-trees and patterns.
 471 ADDINGTON, W. H. Norfolk.—Patent bellows; leather boots.
 472 PERKINS, S. M. Athens, Pennsylvania.—Felt gloves and mittens.
 473 BRADLEY, B. & Co. Boston.—Specimens of book-binding.
 474 EVANS, H. Mann. New Bedford.—Sample of cordage from Manila hemp.
 476 ADAMS, H. New York.—Portable saddle.
 477 BIDWELL, Rev. W. H. New York.—Maps.
 478 PATTERSON, New Brunswick, N. J.—Anthracite from Lehigh mountain.
 479 FITCH, Dr. S. S. New York.—Plated abdominal supporters.
 481 EISENDRANT, C. H. Baltimore, Maryland.—Flutes, &c. Printing machine for the blind.
 482 M'ADAMS, J. & W. Boston.—Medium ledger, in Russia leather, with gilt sides and edges. Medium journal, in similar binding. Specimen-book of paper-ruling, Turkey morocco, with gilt edges.
 483 DUKLOP, W. A. New Orleans, Louisiana.—Specimens of penmanship.
 484 REED, I. & SON, Philadelphia, Pennsylvania.—Specimens of gold pens.
 485 RODRIGUEZ, B. New Orleans, Louisiana.—Specimens of aerothermes, or hot-air ovens.
 486 HOWLAND, C. New York.—Improved bell telegraph.
 487 BORGES, Miss M. A. Boston, Massachusetts.—Embroidery: The Raising of Jairus' daughter.

- 492 KIDDER, C. F. Boston.—Indian cap.
 493 DALFHEM, J. E. Springfield, Otsego County, New York.—Self-adjusting churn.
 494 TRUENDALE, JACOBS & Co. New York.—Samples of cotton.
 497 HOWE, D. T. Prop. New York.—Dr. S. P. Townsend's extract of sarsaparilla.
 498 BAKER, J. B. Maker, Boston.—Specimens of harness.
 498 FULLER, D. S. Minnesota State.—A Sioux saddle and hunter's belt: wrought by an Indian maiden.
 499 MILLS, P. New York.—Gold and silver celms.
 500 FULLER, J. E. Boston, Massachusetts.—Mathematical telegraph and model calculator. Computing telegraph. Pocket computer.
 501 MAYALL, J. E. Philadelphia.—Daguerrestypes.
 508 RODGERS, H. S. Prop. New York.—Two velocipedes.
 509 HENRY, S. Charleston, South Carolina.—Brooms, made of the stalks of the broom corn.
 510 JEWETT, S. W. Middlebury, Vermont.—Sample of Indian corn, twelve-rowed variety, yellow; and a sample of Vermont products.
 511 KIMBER, A. M. & Co. Philadelphia, Pennsylvania.—Specimens of fine wool.
 511 SHATTUCK, W. F. Agent for G. W. EDDY and Co., Manu. Waterford, New York.—G. W. Eddy's patent roughened-metal railway-wheel.
 512 M'HEWY, J. Philadelphia.—Specimen of soapstone.
 512 St JOHN, J. R. Prop. Buffalo, New York.—Cadwell, Payson, and Co.'s "excelsior" soap.

- 513 HERRICK, J. K. New York.—An assortment of account books.
 513 PARKER, WILDER & Co. Boston.—Specimens of blankets.
 514 NEW YORK IRON BRIDGE COMPANY (RIDER, R. Manu. and Prop.) New York.—A reduced model of Rider's patent improved suspension truss bridge. A full-sized model of the same.
 515 HERRICK, J. H. Manu. New York.—A Journal and a ledger.
 516 CLAWSON, H. N. Michigan.—"Excelsior" soap.
 517 LIEBERT, S. Easton.—Maps of Germany.
 518 HOMER, F. L.—Carpet-broom.
 519 HOGER, R. M. Ohicheo.—Two heroes of beef.
 St. JOHN, J. R. Inv. Buffalo, New York.—Aquatic velocimeter, for determining the velocity and the true distance run by ships, steamers, &c.
 514 PINKUS, H. Inv. 17 North Andley Street, Grovenor Square.—The exemplification of processes, in the applications of philosophical principles, in combination with the progress of engineering developments, for their practical adaptations, as motive forces, to the purposes of safer, rapid transit, and economy on railways. Exhibiting stages of comparative improvements, from the year 1825 to 1851.

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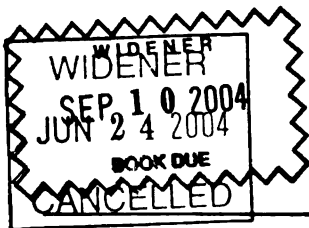


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